



Connecticut Science & Engineering Fair

Quinnipiac University

March 11 - 16, 2019

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Final Judging Results

<p align="center">Award Legend</p> <p>Trophy Winners = 1, 2, ... Medalists = m Winners = w</p>

Environmental Sciences Awards with CACIWC

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

Middle School

2528	L8	Purifying Grey Water Using a Constructed Wetland
Award	1	Student(s) Nell Grant Grade 8 Town Woodbridge

- * Environmental Sciences Awards with CACIWC --- 1st Place MS - \$300, Trophy, CACIWC gifts
- * Future Sustainability Awards --- 2nd Place Middle School - \$200 Cash and Trophy
- * Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy
- * Southeastern New England Marine Educators (SENEME) --- \$100 award and membership in SENEME - 1st Place Junior & T-Shirt
- * The Karen J. Howell Middle School Award for "Learning and Serving"
 --- The Karen J. Howell Middle School Award for "Learning and Serving" - \$1000

2508	L8	A Gravimetric and Microscopic Analysis of the Decomposition Rates of Leaves from Different Species of Trees in Varied Climates.
Award	2	Student(s) Norah Tracy Grade 8 Town Gilman

- * The Jackson Laboratory Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion
- * Environmental Sciences Awards with CACIWC --- 2nd Place MS- \$200, Trophy, CACIWC gifts
- * Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum

5509	P8	The Study of Effectiveness of Different Separation Methods in Removing Suspended Microplastics from Water
Award	3	Student(s) Srishti Ramakrishnan Grade 8 Town Danbury

- * Lockheed Martin Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion
- * Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- Middle School \$300 / trophy
- * CASE • PepsiCo Urban School Challenge Awards with IBM --- 1st Place Middle School - \$300 and Trophy, Medallion
- * Environmental Sciences Awards with CACIWC --- 3rd Place MS- \$100, Trophy, CACIWC gifts
- * 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
- * National Oceanic and Atmospheric Administration --- Certificate and \$25 gift card given by CSEFF
- * Talcott Mountain Science Center & Academy --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related
- * Urban School Challenge 1st Place Middle School Awards --- Highest Placing 8th grader- GENIUS-Olympiad Competition -\$500 travel stipend (See Sponsor 421)
- * GENIUS Olympiad --- GENIUS Olympiad Competition for Highest Placing USC 8th grade Project



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2530 L8 Survey of Common Types of Cyanobacteria and its Toxins Found in the Recreational Areas of CT
 Award m Student(s) Anishka Perera Grade 8 Town Torrington

- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- * American Society of Safety Professionals, CT Valley Chapter --- \$100 grade 7-8 project
- * Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash

5516 P8 HOW DOES THE TYPE OF FILTER AFFECT THE AMOUNT OF PHOSPHORUS SEPARATED FROM LANDSCAPE RUNOFF
 Award m Student(s) Liam TeeKing Grade 8 Town Brookfield

- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * The Goodwin-Niering Center for the Environment --- \$100 for "Excellence in Environmental Conservation Studies"

2503 L8 The Effects of Oil on the Removal of Microplastics From Water
 Award m Student(s) Aiden Doolabh Grade 8 Town Danbury

- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Future Sustainability Awards --- Middle School Finalist - Medallion
- * Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

5504 P8 Erosion in Motion
 Award m Student(s) Peter Pigiucci Grade 8 Town Shelton

- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Ricoh Americas Corporation --- Certificate, \$25 Amazon gift card given by CSEF

2529 L8 Use of Bioluminescent Dinoflagellates to Detect Water Contaminants
 Award m Student(s) Samuel Tsao Grade 8 Town OLD GREENWICH

- * The Jackson Laboratory Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion
- * Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion
- * NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- * TurnKey Compliance Solutions Environmental Awards --- \$200 Cash Award Middle School- For excellence in environmental sciences



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High School

3007 LS Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive

Award 1 Student(s) Raina Jain Grade 11 Town Riverside

- * The Jackson Laboratory Life Sciences Awards --- 1st Place- Life Sciences Senior High- \$500 & Plaque
- * Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist - Medallion
- * Environmental Sciences Awards with CACIWC --- 1st Place HS- \$500, Plaque, CACIWC gifts
- * Collins Aerospace Engineering Awards --- 1st Place- Engineering Senior High- \$500 & plaque,
- * H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering in partnership with CCAT --- Life Sciences Senior 1st HS- \$1,000, Solid Silver Medal of Excellence, Invite to CASE Annual Mtg
- * Fuss & O'Neill, Inc. --- \$200 Award for Excellence in Alternative/Renewable Energy
- * University of Hartford --- University of Hartford Scholarship- For Excellence in Engineering, Science or Mathematics \$26,000
- * TurnKey Compliance Solutions Environmental Awards --- \$300 Cash Award High School- For excellence in environmental sciences
- * University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Environmental Science
- * University of Connecticut Academic Excellence Scholarship --- Academic Excellence Scholarship - \$6,500 a year for four academic years- (\$26,000 total)
- * Lunch with a Patent Attorney --- Lunch with a Patent Attorney

3070 LS The Correlation Between Nitrogenous Species and the Aboveground and Belowground Biomass of *Spartina alterniflora* (common cordgrass) in a restored Salt Marsh, Barn Island, CT

Award 2 Student(s) Sara Bouchard Grade 11 Town Waterford

- * The Jackson Laboratory Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * CASE • PepsiCo Urban School Challenge Awards with IBM --- 5th Place High School - Plaque, Medallion
- * Environmental Sciences Awards with CACIWC --- 2nd Place HS- \$200, Plaque, CACIWC gifts
- * Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$250 cash
- * Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum
- * Project Oceanology --- Individual - 1 Ocean Camp slot + T-Shirt & cap, First Place Senior
- * GENIUS Olympiad --- GENIUS Olympiad Competition for 2nd Place HS Environmental Project
- * NYUC Pony Club Equine Award --- \$100 Cash Award or excellence in equine studies
- * Fox Pest Control Award for Environmental Management --- \$150 Cash for Excellence in Environmental Management

3104 LS The Effects of Mobile Phone Induced Radiation on Honeybee Behavior

Award 3 Student(s) Quinn Mullineaux Grade 12 Town Fairfield

- * The Jackson Laboratory Life Sciences Awards --- 2nd Place- Life Sciences Senior High- \$300 & Plaque
- * Environmental Sciences Awards with CACIWC --- 3rd Place HS- \$100, Plaque, CACIWC gifts
- * Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash
- * Peer-to-Peer Awards --- High School Life Sciences - \$300 Amazon Gift Card



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3027 LS Phytoremediation of 17β Estradiol Using Lemna minor in Freshwater Bodies
 Award m Student(s) Joshua Salem Grade 12 Town Trumbull

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, air pollution related

6032 PS Biofiltration of Ferric Iron Utilizing Citrus Biowaste to Mitigate Freshwater Harmful Algal Blooms.
 Award m Student(s) Malcolm Katz Grade 12 Town Fairfield

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition

3503 LST Queenswap: an experiment to change the subspecies of an Apis Mellifera queen and her colony to a more northeastern acclimated subspecies.
 Award m Student(s) Victoria LaGuardia Grade 12 Town Monroe
 Lauren Wokanovicz Grade 12 Town Shelton

- * The Jackson Laboratory Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion

3076 LS Nitrate absorbing plants effect on acidic water
 Award m Student(s) Cambria Andrews Grade 12 Town Manchester

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Stockholm Junior Water Prize --- Certificate, \$25 gift card by CSEF, possible advance to further competition

3024 LS Application of Cyanobacteria Anthrospira Platensis as a Polyfiber Biopaper
 Award m Student(s) Tyler Greene Grade 12 Town Manchester

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Future Sustainability Awards --- 3rd Place High School - \$200 Cash and Plaque
- * ASM Materials Education Foundation --- Certificate & \$25 gift card given by CSEF
- * Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre



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3021 LS The Efficiency Of Copper Removal Using Phytoremediation Techniques

Award m Student(s) **Skyler Hatter** Grade 10 Town GROTON

- * The Jackson Laboratory Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Future Sustainability Awards --- High School Finalist - Medallion
- * University of Connecticut - Early College Experience --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate

3032 LS The effect of inoculating Rhizobium bacteria into Helianthus annuus L. to increase drought tolerance.

Award m Student(s) **Kathryn Liu** Grade 11 Town Easton

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Future Sustainability Awards --- High School Finalist - Medallion

3049 LS Analysis of PHA Plastic Biodegradation in Marine Environments

Award m Student(s) **Zachary Shortt** Grade 11 Town Easton

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate given by ONR
- * Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum

6029 PS Analyzing Particulate Matter Atmospheric Pollution Trends in Connecticut

Award m Student(s) **Ella Marin** Grade 11 Town Woodbridge

- * Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion
- * American Meteorological Society --- Certificate & \$25 gift card given by CSEF