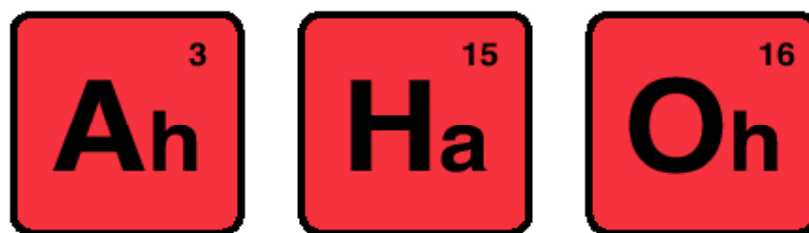


Connecticut **2016**
Science &
Engineering
Fair



**SEARCHING FOR
THE SURPRISE ELEMENT!**

March 14-19

QUINNIPIAC UNIVERSITY
Hamden

Connecticut Science Fair Association

Affiliate of the Intel International Science and Engineering Fair

www.ctsciencefair.org

68th

Connecticut

Science & Engineering Fair

Quinnipiac University
Hamden

March 15 - 19, 2016

Connecticut Science Fair Association

All-volunteer Connecticut non-profit organization
Affiliate of the Intel International Science and Engineering Fair

Connecticut Science Fair Association

April 2016

68th Connecticut Science & Engineering Fair

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WEB SITES

CSEF	http://www.ctsciencefair.org
ISEF	http://www.societyforscience.org/isef
I-SWEEEP	http://www.isweeep.org
GENIUS Olympiad	http://www.geniusolympiad.org

AWARDS

FORMAT KEY					
Project No.	Category	Title	Teacher	Regional/City Fair	Town
	SchTown	School			
	Student	Hometown	Grade		
	Awards	Honors			
		Sponsor	Sponsor Award		

Life Sciences

- 1001 LT What is the most Efficient Amount of Fertilizer to use when Growing Mustard Seeds?
Stamford, Bi-Cultural Day School, Teacher - Mr. Chris Graseck
Zev Pinker, Stamford 7 Adin Fogel Stamford 7
Awards: Honors = 3
- 1002 LT feeding plants different waters
Bridgeport, Jettie S. Tisdale School, Teacher - Mr. Bell
Amanda Szabados, Bridgeport 7 Maria Garcia Bridgeport 7
Awards: Honors = 2
- 1003 LT What Genre of Music Makes You Run the Fastest?
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Emma Halas, Danbury 7 Ailene Doherty Danbury 7
Awards: Honors = 2
- 1004 LT Music and Memory Does Music have a Positive Impact on Alzheimer's Patients
Stratford, St. Mark School, Teacher - Ms. Xanthos
Ashlinn Derleth, Trumbull 8 Christina diBenedetto Stratford 8
Awards: Honors = 1
• Pfizer Life Sciences Awards --- 1st Place- Life Sciences MS Team- \$100 each & trophy and Invite to Compete Broadcom MASTERS
- 1005 LT The Effect of Different Types of Fruit on the Amount of DNA Extracted
Guilford, E.C. Adams Middle School, Teacher - Ms. Meyerjack
Edward Glover, Guilford 7 Anthony Ippolito Guilford 7
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
- 1006 LT Enjoy It Now.. Or Enjoy It Later? Understanding Delayed Gratification
Bridgeport, Park City Prep Charter School, Teacher - Ms. Boudreau
D'Asia Scudder, Bridgeport 7 Suniya Crawley Bridgeport 7
Awards: Honors = 3
- 1007 LT Colorful vs Black and White Powerpoints
Shelton, Shelton Intermediate School, Teacher - Mrs.Genova
Devan Wildman, Shelton 7 Sydney Leifer Shelton 7
Awards: Honors = 3
- 1008 LT Exploring The Chemistry of Red Flower Pigments
Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
Kayleigh Leduc, Enfield 7 Mary Eckel Enfield 7
Awards: Honors = 3
- 1009 LT Wormaculture
Greenwich, Greenwich Catholic School, Teacher - Carol Lutz
Dylan Lombardo, Stamford 7 Will Carroll Stamford 7 Martin Santos Greenwich 7
Awards: Honors = 2

AWARDS

- 1010 LT Bye-Bye Bacteria: The Effect of Different Disinfectants on the Growth of E.coli
Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
Isabella Piazza, Ellington 7 Jacqueline Beaulieu Somers 7
Awards: Honors = 2
- 1011 LT Energy Bars: True or False
Bridgeport, Park City Prep Charter School, Teacher - Jonathan Jaekle
Imani Lopez, Bridgeport 8 Pierre Tilus Bridgeport 8
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
- 1012 LT Delicious or Dangerous
Hamden, Hamden Middle School, Teacher - Michelle DeLucia
Mariam Khan, Hamden 8 Camaryn Reynolds Hamden 8
Awards: Honors = 3
- 1013 LT Growing Algae
Plantsville, J.F. Kennedy Middle School, Teacher - Mrs.Pepin
Kailey Keegan, Plantsville 7 Dylan Sandow Plantsville 7
Awards: Honors = 3
• American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF
- 1014 LT Which Beverages Stain Your Teeth The Most?
Meriden, ACES Thomas Edison Middle School, Teacher - Susan Dalo
Kelly Tran, Meriden 8 Gabriella Dearborn Meriden 8
Awards: Honors = 2
- 1015 LT The effect of x-ray radiation on the reproduction of Fruit Flies.
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Patrick Iannetta, Danbury 8 James O'Keefe Danbury 8
Awards: Honors = 2
• Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award
• Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- 1016 LT Do You C The Vitamins?
Bethel, St. Mary School, Teacher - Mrs. Kate McDonald
Madeline Suarez, Bethel 8 Abigail Gleissner Bethel 8
Awards: Honors = 1
• Pfizer Life Sciences Awards --- 3rd Place- Life Sciences MS Team- trophy and Invite to Compete Broadcom MASTERS
- 1017 LT How good is your yogurt?
Hartford, Kennelly School, Teacher - Ashley Bonet
Genesis Vazquez, Hartford 7 Gabriella Perez Hartford 7 Victoria Rodriguez Hartford 7
Awards: Honors = 3
- 1018 LT How Sweet Is It?
Glucose Levels In Your Favorite Drinks
Southington, J.A. DePaolo Middle School, Teacher - Lindsay Ekegren
Rebecca Nunn, Southington 8 Alexis Izzo Southington 8 Awards: Honors = 3
- 1019 LT Sugar Uncovered
Stratford, St. Mark School, Teacher - Mrs. Orendorf
Natalie Sciallo, Stratford 8 Kelly DeRosa Stratford 8
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
• Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Life Sciences - Medallion and Acrylic Award
• Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School Life Sciences

- 1020 LT The Effect of Salt on Plant Growth
 Danbury, St. Gregory the Great School, Teacher - Christine Fahey
 Eric McNamara, Danbury 7 Thomas Fahey Danbury 7
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
 • Alumni Botany Awards --- Alumni Middle School Botany Award- \$100 Cash
- 1021 LT Burning Calories
 Southington, J.A. DePaolo Middle School, Teacher - Ms. Shea
 Nebeeka Saha, Southington 8 Brianna Harris Southington 8
 Awards: Honors = 2
- 1022 LT Are You Using the Right Toothpaste
 Bridgeport, Roosevelt School, Teacher - Kelsey Bohnert
 Stephan Desir, Bridgeport 7 Moeen Khawaja Bridgeport 7
 Awards: Honors = 3
- 1023 LT Mutagenesis in Bacteriophage Phi X174 to Induce a Target Host of Escherichia Vulneris
 Danbury, Westside Middle School Academy, Teacher - Jonathan Neuhausel
 Sarah Johnson, Danbury 8 Anjeli Joseph Danbury 8
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- 2nd Place- Life Sciences MS Team- \$100 each & trophy and Invite Compete Broadcom MASTERS
 • Alexion Biotechnology Awards --- 2nd Place- Biotechnology 8th grade- \$300 & trophy and Invite Compete in Broadcom MASTERS
- 1024 LT Let's Go Bananas!The Effect Of Ripeness On Banana DNA Extraction
 Danbury, St. Gregory the Great School, Teacher - Mrs. Fahey
 Zachary Meyerson, Danbury 7 Dionie Smith Danbury 7
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Sciences Middle School Team - CSF Medallion & Acrylic Award
 • Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award
 • Connecticut Science Supervisors Association --- \$125 for a middle school project
- 1025 LT Got Bugs? A study of arthropod diversity and abundance
 Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Becca Hays
 Connor Rego, Winsted 7 Keegan Miller Bristol 7
 Awards: Honors = 2
 • Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum
- 1026 LT Effects That a Microwave Has On Brine Shrimp Egg Hatching
 Stamford, Bi-Cultural Day School, Teacher - Chris Graseck
 Benjamin Marcus, Westport 7 Gavi Genger New Canaan 7
 Awards: Honors = 3
- 1027 LT A Comparison between Hydroponically Grown and Soil Grown Lactuca Sativa with and without Added Nutrients
 Windsor, Madina Academy, Teacher - Muhammad Abu Bakar
 Ruqayyah Paine, Terryville 8 Rifa Hossain Manchester 8
 Awards: Honors = 2
- 1028 LT Terrific Tardigrades
 Greenwich, Greenwich Catholic School, Teacher - Carol Ann Lutz
 James McCann, Greenwich 7 Sean Robichaux Stamford 7
 Awards: Honors = 2
- 1029 LT Backyard Biofuel (Which plant makes the best biomass briquette?)
 Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
 Antony Auzina, Enfield 7 Colby Corriveau Springfield 7
 Awards: Honors = 2

AWARDS

- 1030 LT Effect of Using An Electronic Before Going to Sleep On Deep Sleep Percentage
Guilford, E.C. Adams Middle School, Teacher - Mrs. Lynn Arnold
Sydnie Schlagheck, Guilford 7 Rosabianca Corbett Guilford 7
Awards: Honors = 2
- 1031 LT Are Biodegradable Kcups more Environmentally Secure than Normal Ones?
North Haven, North Haven Middle School, Teacher - Mrs. Jasinski
Tyler Karasinski, North Haven 8 Stephen Borrelli North Haven 8
Awards: Honors = 3
- 1032 LT Preventing Bacteria Growth in Food
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Matthew Riggs, Danbury 7 Steven Soto Danbury 7
Awards: Honors = 3
- Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
 - Institute of Food Technologists, Nutmeg Section --- \$100 award + invitation to dinner
 - Sister Mary Christine Life Sciences Award --- \$150 and plaque for excellence in the life sciences by a catholic middle school project
- 2001 L7 How does soil pH affect bean plants?
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Travis Clark
Tyler Schloss, Cromwell 7
Awards: Honors = 2
- 2002 L7 Fruity Finds
Bethel, St. Mary School, Teacher - Ms. Kate MacDonald
Ellenia Meehan, Bethel 7
Awards: Honors = 2
- 2003 L7 Si High, Low, or No: Algae where would you like to grow?
Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
Stephen Rougeot, Enfield 7
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
 - J.A. Augustine Award --- \$100 for excellence in biology
- 2004 L7 Substrate and Vegetation Preference in Zebra Danio Spawning: A Study of Breeding Triggers
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Rebecca Hays
Natalie Reeves, Southington 7
Awards: Honors = 2
- 2005 L7 Study of Various Starch-based Biopolymers
Danbury, Westside Middle School Academy, Teacher - Jonathan Neuhausel
Lasya Josyula, Danbury 7
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 1st Place- Life Sciences 7th grade- \$200 & trophy and Invitation to Compete Broadcom MASTERS
 - Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- MS Life Sciences- \$200 / plaque
 - CASE Urban School Challenge Awards with Travelers --- 1st Place Middle School - \$300 and Trophy, Medallion
 - Sustainable Resources and Practices Awards --- 2nd Place Middle School - \$300 Cash and 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 Mtg & \$500 to School Science Department for Equipment/Supplies
 - Alexion Biotechnology Awards --- 1st Place- Biotechnology 7th grade- \$300 & trophy
 - Urban School Challenge 1st Place Middle School Awards --- USC Highest Placing 7th grader- Project Oceanology's Ocean Camp
 - The Karen J. Howell Middle School Award for "Learning and Serving" --- The Karen J. Howell Middle School Award for "Learning and Serving" - \$1000 Life Science

-
- 2006 L7 The effect of fertilizer quantity on algae growth
 Newtown, St. Rose of Lima School, Teacher - Marde Dimon
 Torin Kearney, Newtown 7
 Awards: Honors = 2
- 2007 L7 Plant Growth Using Different Kinds of Fluids
 West Hartford, St. Brigid School, Teacher - Penny Bostic
 Keeshia Caguitla, West Hartford 7
 Awards: Honors = 2
- 2008 L7 The Effects of Alternative Fertilizers (Eggshells and Coffee Grounds) on the Growth of Radishes
 Guilford, E.C. Adams Middle School, Teacher - Parent-Hayash
 Juliet Young, Guilford 7
 Awards: Honors = 2
- 2009 L7 Ground Level Ozone in Danbury
 Danbury, Westside Middle School Academy, Teacher - Mr. Neuhausel
 Nicholas Raslavsky, Danbury 7
 Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
 - Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - TurnKey Compliance Solutions Environmental Awards --- \$200 Cash Award Middle School- For excellence in environmental sciences
- 2010 L7 The Effect of Caffeine on Plant Growth
 Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
 Katherine DeVito, Enfield 7
 Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
- 2011 L7 Flour Power
 West Hartford, St. Timothy Middle School, Teacher - Mrs. Breen
 Christopher Baldini, West Hartford 7
 Awards: Honors = 1
- Pfizer Life Sciences Awards --- 4th Place- Life Sciences 7th grade- trophy and Invite to Compete Broadcom MASTERS
 - Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner
- 2012 L7 Torso Length and Lung Capacity
 Bridgeport, Black Rock School, Teacher - Helen Coatsworth
 Brianna Reyes, Bridgeport 7
 Awards: Honors = 2
- 2013 L7 The effect of different fertilizers on grass
 Newtown, St. Rose of Lima School, Teacher - Mrs. Dimon
 Madelaine Simms, Newtown 7
 Awards: Honors = 2
- Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Life Sciences - Medallion and Acrylic Award
- 2014 L7 Do graphic organizers affect students' writing?
 Bridgeport, Geraldine W. Johnson School, Teacher - Kaitlin Dinet
 Bush Pham, Bridgeport 7
 Awards: Honors = 2
- 2015 L7 How Will Vitamins Impact Plants?
 Plantsville, J.F. Kennedy Middle School, Teacher - Mrs. Pepin
 Pio Castellano, Plantsville 7
 Awards: Honors = 3
- 2016 L7 Family Finger
 Pawcatuck, St. Michael School, Teacher - Dr. DeNoia
 Thomas McBride, Mystic 7
 Awards: Honors = 2

AWARDS

- 2017 L7 The Stroop Effect
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Nora Yastremski, Danbury 7
Awards: Honors = 2
- 2018 L7 Does the Color of Light Effect Plant Growth?
Norwalk, Roton Middle School, Teacher - Frank Yulo
Sarah Signore, Norwalk 7
Awards: Honors = 2
- 2019 L7 Don't hate the player hate the game
Hartford, Kennelly School, Teacher - Ms. Bonet
Terry Mahon, Hartford 7
Awards: Honors = 3
- 2020 L7 Mud Power
Stratford, St. Mark School, Teacher - Ms. Stacy Xanthos
Liam Millott, Milford 7
Awards: Honors = 2
- Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
 - Alexion Biotechnology Awards --- 4th Place- Biotechnology 7th grade- trophy
- 2021 L7 Shining Light on Transpiration
Broad Brook, Masthay - Homeschool, Teacher - Melissa Masthay
Allison Masthay, Broad Brook 7
Awards: Honors = 2
- 2022 L7 What is the perfect absorbent for used cooking oil?
North Haven, North Haven Middle School, Teacher - Susan Jasinski
Soo Yeon Lee, North Haven 7
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
 - National Oceanic and Atmospheric Administration --- Certificate, and medallion, and \$50 gift card to Amazon given by CSEF
- 2023 L7 Death of Bouquets
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Taivan Jargalan, New Haven 7
Awards: Honors = 3
- 2024 L7 The Stroop Effect
Shelton, St. Joseph School, Teacher - Mr. Kieran Hyland
Lauren Greenfield, Shelton 7
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 5rd Place- Life Sciences 7th grade- trophy
- 2025 L7 The Effect of Different Substances on Plant Growth
Windsor, St. Gabriel School, Teacher - Ms. M. Rosa
Paul Hijeck, Windsor Locks 7
Awards: Honors = 2
- 2026 L7 The effect of liquid medicine on plant growth
Newtown, St. Rose of Lima School, Teacher - Mrs. Dimon
Mackenzie Ciambra, Easton 7
Awards: Honors = 3
- 2027 L7 Tap, Fizz, Vitamins
Norwalk, Roton Middle School, Teacher - Ms. Tom
Jane Hussey, Norwalk 7
Awards: Honors = 3

-
- 2028 L7 Stressed Out
New London, St. Joseph School, Teacher - Mrs. Karen Argarin
Megan Banach, Ledyard 7
Awards: Honors = 2
- 2029 L7 Which Disinfectant Kills Bacteria The Best?
Bethel, St. Mary School, Teacher - Kate McDonald
Nicole Solano, Danbury 7
Awards: Honors = 2
- 2030 L7 The Perfect Peanut: Effects of Cleaning Agents on the Peanut Allergen
Avon, Talcott Mountain Academy, Teacher - Dr. Jessica Lodwick
Braeden Rose, East Hampton 7
Awards: Honors = 2
- 2031 L8 Dirty to Clean
Danbury, Westside Middle School Academy, Teacher - Jonathan Neuhausel
Luke Hickey, Danbury 8
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- 2032 L7 Green Growth
New Haven, Engineering Science University Magnet School, Teacher - Mr. Rushworth
Suchitha Misra, Milford 7
Awards: Honors = 3
- 2033 L7 Developing a low-cost Green Algae Photobioreactor
North Haven, North Haven Middle School, Teacher - Susan Jasinski
Luke Barrett, North Haven 7
Awards: Honors = 2
 - Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
 - Alexion Biotechnology Awards --- Finalist - Biotechnology 7h grade - CSF Medallion & Acrylic Award
 - American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF
 - Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"
- 2035 L7 Do Algorithms Dream of Electric Trees?
Avon, Talcott Mountain Academy, Teacher - Dr. Jessica Lodwick
Aresh Pourkavoos, Avon 7
Awards: Honors = 2
 - 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
 - Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics
- 2036 L8 Do All Liquids Release the Same Amount of Gas in the Stomach?
Groton, Sacred Heart School, Teacher - Mrs. Merrijo Logan
Diego Cruz, New London 8
Awards: Honors = 2
- 2037 L7 Fogponics
Bridgeport, High Horizons Magnet School, Teacher - Mrs. Scott-Thiam
Rebecca Abirached, Bridgeport 7
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
- 2038 L7 Building a Prosthetic Hand
Forestville, St. Matthew School, Teacher - Mrs. MaryEllen Schigas
Nina Zwolinski, Bristol 7
Awards: Honors = 2
 - Ricoh Americans Corporation --- Certificate, \$50 gift card to Amazon given by CSEF
-

AWARDS

- 2039 L7 Snuggly Cuddly Puppies: Puppies Keeping Warm
Monroe, St. Jude School, Teacher - Mrs. Shea
Jacqueline O'Brochta, Monroe 7
Awards: Honors = 2
- 2040 L7 The effect of acidity on bacteria growth from toothbrushes
Guilford, E.C. Adams Middle School, Teacher - Kristen Meyerjack
Veronica Zimmer, Guilford 7
Awards: Honors = 2
- 2041 L7 PEST'S CONTROLLING US!
New Haven, Engineering Science University Magnet School, Teacher - Mr. Rushwoth
Sreeya Gudlavalleti, Milford 7
Awards: Honors = 3
• NASA EARTH System Science Award --- Certificate and \$50 gift card given by CSEF
- 2042 L7 Garden Trouble
Shelton, Shelton Intermediate School, Teacher - Mrs. Genova
Sarah Hurlbert, Shelton 7
Awards: Honors = 2
- 2043 L7 Hydroponic vs Soil
Plantsville, J.F. Kennedy Middle School, Teacher - Mrs. Pepin
Madeleine Silano, Plantsville 7
Awards: Honors = 2
- 2044 L7 Testing the Effects of Water Permeability in Locations with Different Soil Types
Newtown, St. Rose of Lima School, Teacher - Mrs. Marde Dimon
Liam Wolson, Trumbull 7
Awards: Honors = 3
- 2045 L7 Prosthetics Making the disabled able.
Forestville, St. Matthew School, Teacher - Mrs. MaryEllen Schigas
Sophia Gerst, Bristol 7
Awards: Honors = 3
• U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate
• Bob Harris Fix It Award --- \$75 and Certificate for ingenuity in using material and tools
- 2046 L7 Bovine Methane Emissions Capturing Device
Branford, CT Experiential Learning Center (CELC), Teacher - Melinda Alcosser
Cade Morris, Northford 7
Awards: Honors = 2
• Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Life Science
- 2047 L7 Which Banana Will Rot The Slowest?
Bridgeport, Park City Prep Charter School, Teacher - Vicky Boudreau
Monica Cardenas, BPT 7
Awards: Honors = 3
- 2048 L7 Do different types of music affect the rate at which domesticated cats eat?
Meriden, ACES Thomas Edison Middle School, Teacher - Angel Tangney
Patrick Wiliarty, Middletown 7
Awards: Honors = 3
- 2049 L7 Effect of Watering Green Vegetable Plants With Chlorophyll-Rich Solutions to Increase Overall Chlorophyll Content
Danbury, Westside Middle School Academy, Teacher - Mr. Jonathan Neuhausel
Benjamin Laham, Danbury 7
Awards: Honors = 2
• CASE Urban School Challenge Awards with Travelers --- 5th Place Middle School - Trophy, Medallion
• Alexion Biotechnology Awards --- Finalist - Biotechnology 7th grade - CSF Medallion & Acrylic Award

- 2050 L7 How do microbeads affect plants?
New Haven, Engineering Science University Magnet School, Teacher - Mr. Rushworth
Meghana Cheela, Milford 7
Awards: Honors = 3
- 2051 L7 Got Milk
Plantsville, J.F. Kennedy Middle School, Teacher - Mrs.Pepin
Margaret Coyle, Southington 7
Awards: Honors = 3
- 2052 L7 The Power of Fruits and Veggies! How Much Electrical Power do they produce?
Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
Matthew Emerson, Broad Brook 7
Awards: Honors = 3
- 2053 L7 Caffeine and Plant Growth
Stratford, St. Mark School, Teacher - Stacy Xanthos
Jonathan Bushka, Stratford 7
Awards: Honors = 3
- 2054 L7 An Energy Bar That Sticks Best
Branford, CT Experiential Learning Center (CELC), Teacher - Melinda Alcosser
Galina Cooper, Milford 7
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award
- 2056 L7 Plants: Natures stabilizer
New Haven, Worthington Hooker School, Teacher - Mr. Jones
Sadie Turner, New Haven 7
Awards: Honors = 2
• Alexion Biotechnology Awards --- 5th Place- Biotechnology 7th grade- trophy
- 2057 L7 Fingerprints - Alike or Random?
Hartford, Kennelly School, Teacher - Ashley Bonet
Daialy Amparo, Hartford 7
Awards: Honors = 3
- 2058 L7 Breeding in the Rain
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Rebecca Hays
Alennie Cosme, Hartford 7
Awards: Honors = 2
• The Children's Museum --- 1 family 4-Pack of Admission Passes to the Children's Museum
- 2059 L7 Difference in Osmotic Properties of Brown compared to White Eggs.
West Hartford, Solomon Schechter Day School, Teacher - Gilah Barker
Atara Harrari, West Hartford 7
Awards: Honors = 3
- 2060 L7 The Plant Problem: What Liquid Helps Plants Grow the Tallest?
Oxford, Great Oak Middle School, Teacher - Karla Minichiello
Isabelle Lim, Oxford 7
Awards: Honors = 3
- 2061 L7 Which Has A Greater Bacteria Activity: Refrigerated or Non-refrigerated Probiotics?
Pawcatuck, St. Michael School, Teacher - Mr Michael DeNoia
Mary Malloy, Mystic 7
Awards: Honors = 2
- 2062 L7 Running Heart Rate
Avon, Talcott Mountain Academy, Teacher - Dr. Jessica Lodwick
Kathleen Casey, Avon 7
Awards: Honors = 3

AWARDS

- 2063 L7 Are phones taking over our lives?
Hartford, Kennelly School, Teacher - Ms. Bonet
Alysha Zayas, Hartford 7
Awards: Honors = 3
- 2064 L7 Shorty
Milford, St. Gabriel School, Teacher - John Campbell
Madilyn Lula, Milford 7
Awards: Honors = 3
- 2065 L7 Banana Peels: Second Life as a Water Purifier
Wilton, Middlebrook Middle School, Teacher - Paige Randall
Anika Bhagavatula, Wilton 7
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 7th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
 - Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- MS Life Sciences- \$300 / plaque
 - Environmental Sciences Awards with CACIWC --- 1st Place MS - \$300, Trophy, CACIWC gifts
 - Sustainable Resources and Practices Awards --- 1st Place Middle School - \$500 Cash and Trophy
 - Alexion Biotechnology Awards --- 2nd Place- Biotechnology 7th grade- \$200 & trophy
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
 - Institute of Food Technologists, Nutmeg Section --- \$50 award + invitation to dinner
 - Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"
- 2066 L7 How Does Being Watered With Different Liquids Effect A Plants Growth?
New London, St. Joseph School, Teacher - Mrs. Karen Argarin
Kyle Egan, New London 7
Awards: Honors = 2
- 2067 L7 The Effect of pH Levels on Grass Growth
Guilford, E.C. Adams Middle School, Teacher - Miss Meyerjack
Kevin Marquis, Guilford 7
Awards: Honors = 2
- 2501 L8 What is the most effective over the counter (OTC) antacid when it comes to neutralizing the pH level of stomach acid?
Pawcatuck, St. Michael School, Teacher - Mr. DeNoia
Sean Peglow, Old Mystic 8
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences 8th grade- \$200 & trophy and Invite to Compete Broadcom MASTERS
- 2502 L8 Heavy Metal Adsorption Capability Of Pumice
Southington, J.A. DePaolo Middle School, Teacher - Ms. Shea
Betul Agirman, Southington 8
Awards: Honors = 3
- Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Life Sciences - Medallion and Acrylic Award
 - Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 2503 L8 Utterly Sour Milk
Monroe, St. Jude School, Teacher - Mrs. D. Shea
Olivia Peterson, Shelton 8
Awards: Honors = 2
- 2504 L8 Celling Power
Danbury, St. Gregory the Great School, Teacher - Christine Fahey
George Hyland, New Fairfield 8
Awards: Honors = 3
- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award

- 2505 L8 Does Music Affect Heart Rate?
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Teresa Haggerty, Meriden 8
Awards: Honors = 3
- 2506 L8 Averaged Allure: How Composite Faces Compare to Singular Faces
Avon, Talcott Mountain Academy, Teacher - Dr. Jessica Lodwick
Annika Mathias, Avon 8
Awards: Honors = 2
- 2507 L8 Man Vs Wild:A Study of Plant Biodiversity in Overgrown Ecosystems
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - David Cappaert
Austin Zemsta, New Britain 8
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
 - Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Ricoh Americans Corporation --- Certificate, \$50 gift card to Amazon given by CSEF
 - Yale Peabody Museum --- Family “six-pack” of free passes to the Yale Peabody Museum
- 2508 L8 The effect of Vitamin C, Calcium, and Magnesium on Raphinus Sativa.
Windsor, Madina Academy, Teacher - Muhammad Abubakr
Ayesha Nazir, Manchester 8
Awards: Honors = 2
- 2509 L8 Acidification of Oceans
Greenwich, Convent of the Sacred Heart, Teacher - Joyce Reed
Giselle Grey, Greenwich 8
Awards: Honors = 2
- 2510 L8 Utilizing Microbes And Chlorella Vulgaris Algae To Construct An Eco-Friendly Microbial Fuel Cell
Avon, Talcott Mountain Academy, Teacher - Jessica Lodwick
Yusuf Zaidi, Avon 8
Awards: Honors = 2
 - Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award
 - Connecticut Invention Convention “Next Step Inventors” --- \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”
- 2511 L8 What Happens When Eggs are Exposed to Vinegar?
Groton, Sacred Heart School, Teacher - Merrijo Logan
Bethany Chavez, New London 8
Awards: Honors = 3
- 2512 L8 Plants to Cool the Planet.
Wilton, Middlebrook Middle School, Teacher - C. Festa.
Megha Gupta, Wilton 8
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- 2513 L8 Less is More: A test of minimal amount of water to grow a crop
Plantsville, J.F. Kennedy Middle School, Teacher - Mrs.Pepin
Matthew Maciejewski, Southington 8
Awards: Honors = 2
 - Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Alexion Biotechnology Awards --- 4th Place- Biotechnology 8th grade- trophy and Invitation Compete in Broadcom MASTERS
- 2514 L8 Hydroponics Vs Soil Gardening
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Michael Bencivengo, New Haven 8
Awards: Honors = 2

AWARDS

- 2515 L8 Is Tap Water Safe to Drink in Connecticut?
West Hartford, St. Timothy Middle School, Teacher - Christina Simao-Breen
Benjamin Lee, Avon 8
Awards: Honors = 1
• Pfizer Life Sciences Awards --- 4th Place- Life Sciences 8th grade- trophy and Invite to Compete Broadcom MASTERS
- 2516 L8 How does location affect PH levels in water
Hartford, Kennelly School, Teacher - Ms. Bonet
Natalya Davis, Hartford 8
Awards: Honors = 3
- 2517 L8 Quiz Me!
Bridgeport, Park City Prep Charter School, Teacher - Jonathan Jaekle
Shantel Pena, Bridgeport 8
Awards: Honors = 3
- 2518 L8 Gum v.s Mints
Bridgeport, Classical Studies Academy, Teacher - Ms. Bookbinder
CayeJree Rhone, Bridgeport 8
Awards: Honors = 3
- 2519 L8 A Comparison of Mineral and Organic Fertilizer on the Growth of Black Simpson Baby Lettuce in an indoor, controlled Environment.
Danbury, St. Gregory the Great School, Teacher - Christine Fahey
Kieran Doolabh, Danbury 8
Awards: Honors = 2
- 2520 L8 Why do certain colors stand out to certain people more than others?
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Annelise Montuori, Meriden 8
Awards: Honors = 2
- 2521 L8 Re-Think What You Drink
Shelton, St. Joseph School, Teacher - Mr. Kieran Hyland
Emily Borges, Shelton 8
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- 2522 L8 Computer simulation if segregating students by classroom during lunch time during a viral outbreak will reduce the length of the viral outbreak and the number of students infected.
Hebron, RHAM Middle School, Teacher - Bob Clarke
Isabelle Benson Clarke, Marlborough 8
Awards: Honors = 2
• People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place Middle School - Trophy , \$100 from People's United Bank
• Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- MS Life Sciences- \$150 / plaque
• Xerox Computer Science Awards --- 3rd Place Middle School- \$100, Trophy, Medallion
• Alexion Biotechnology Awards --- 1st Place- Biotechnology 8th grade- \$500 & trophy and Invitation Compete in Broadcom MASTERS
• Leask/Francoeur Family Awards --- 1st Place Middle School- For innovation electrical engineering or computer science - \$200 cash
- 2523 L8 Memory Mnemonics
Bridgeport, Waltersville School, Teacher - Miss Kendrick
Jalene Rivera, Bridgeport 8
Awards: Honors = 3
• American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSEF
- 2524 L8 Exploring the effects of acids and temperature on the rate of corrosion
Enfield, St. Martha School, Teacher - Dr. Boissonneault
Ashley Harding, Enfield 8
Awards: Honors = 2

- 2525 L8 Will Seeds Be Affected by Space Exposure
 Trumbull, Christian Heritage School, Teacher - Mrs. Oshin
 Benjamin Wolf, New Haven 8
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
 • U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate
- 2526 L8 An Egg-cellent Experiment
 Danbury, St. Gregory the Great School, Teacher - Christine Fahey
 Analiese Seaman, New Fairfield 8
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- 1st Place- Life Sciences 8th grade- \$300 & trophy and Invite to Compete Broadcom MASTERS
 • Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Life Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
- 2527 L8 Toadiet
 Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Mrs. Hays
 Jacob Naticha, Winsted 8
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- 5th Place- Life Sciences 8th grade- trophy and Invite to Compete Broadcom MASTERS
- 2528 L8 Does Eye Color Affect Peripheral Vision?
 Groton, Sacred Heart School, Teacher - Mrs. Merrijo Logan
 Melissa Mancuso, Mystic 8
 Awards: Honors = 2
- 2529 L8 Can A Mineral Based Water Filtration System Eliminate Daphnia Preventing Dracunculiasis?
 Danbury, Westside Middle School Academy, Teacher - Mr. Neuhausel
 Sarah Barta, Danbury 8
 Awards: Honors = 2
- 2530 L8 ELECTROLYTE CHALLENGE
 New Haven, St. Aedan- St. Brendan School, Teacher - Mr. Celentano
 Jeremiah Vidal, New Haven 8
 Awards: Honors = 3
- 2531 L8 Designing a Water Purification System
 Forestville, St. Matthew School, Teacher - Mrs. MaryEllen Schigas
 Daniel Gaudoin, Bristol 8
 Awards: Honors = 2
- 2532 L8 T.E.E.T.H The Egg Enamel Teeth Heath watch
 Groton, Sacred Heart School, Teacher - Merrijo Logan
 Lauren O'Donnell, Mystic 8
 Awards: Honors = 3
- 2533 L8 Egg Substitutes in Baking
 Shelton, Shelton Intermediate School, Teacher - Ms Genova
 Jessica Wurms, Shelton 8
 Awards: Honors = 3
- 2534 L8 Liquefaction in Action
 Bethel, St. Mary School, Teacher - Mrs. Kate McDonald
 Elisa Lifrieri, Bethel 8
 Awards: Honors = 3
- 2535 L8 The Effect of Baby Food on Sucrose, Glucose, and Fructose
 Trumbull, Christian Heritage School, Teacher - Modupe Oshin
 Hope Krekoska, Trumbull 8
 Awards: Honors = 3

AWARDS

- 2536 L8 Online Homework and Screen Time: Are We Going in the Right Direction!
New Haven, The Foote School, Teacher - Mrs. Leslie Long
Anjali Mangla, Cheshire 8
Awards: Honors = 2
- 2537 L8 There is Something in the Water
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Mr. Clark
Zackery Parsadanov, Middletown 8
Awards: Honors = 2
- 2538 L8 Influence of Climate Change on Lobster Population in Buzzards Bay Massachusetts: Implications for Long Island Sound
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Bradley Kerr, Danbury 8
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 3rd Place- Life Sciences 8th grade- \$100 & trophy and Invite to Compete Broadcom MASTERS
 - Environmental Sciences Awards with CACIWC --- 2nd Place MS- \$200, Trophy, CACIWC gifts
 - Alexion Biotechnology Awards --- 5th Place- Biotechnology 8th grade- trophy
 - American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF
 - Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum
 - Southeastern New England Marine Educators --- \$100 award and membership in SENEME - 1st Place Junior & T-Shirt
 - Project Oceanology --- Individual - Book + 2 tickets, First Place Junior, check for \$100, t-shirt
 - Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, air pollution related
 - Greenwich Shellfish Commission Marine Ecology Awards --- Middle School Award for Excellence in Marine Ecology Award- Ocean Camp at Project Oceanology
- 2539 L8 CAN YOU FIND THETHE MISTAKE?1 2 3 4 5 6 7 8 9
Groton, Sacred Heart School, Teacher - Mrs. Logan
Emma Smith, Groton 8
Awards: Honors = 3
- 2540 L8 Designing a Water Purification System
Forestville, St. Matthew School, Teacher - Mrs. MaryEllen Schigas
Seokhyun Hong, Plantsville 8
Awards: Honors = 3
- 2541 L8 Smoking Changes from 2012-2014
Hartford, Kennelly School, Teacher - Ms. Bonet
Demetrius Lee, Hartford 8
Awards: Honors = 3
- 2542 L8 Effect of Pollutants on Aquatic Life
Hamden, Hamden Middle School, Teacher - Michelle DeLucia
Ella Bradford, Hamden 8
Awards: Honors = 2
- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award
 - NASA EARTH System Science Award --- Certificate and \$50 gift card given by CSEF
- 2543 L8 acid-base chemistry: bath bombs
Enfield, St. Martha School, Teacher - Katie Rose Boissonneault
Alessandra Good, Enfield 8
Awards: Honors = 3
- 2544 L8 Results and Effects of Changes in Youth Basketball Positions
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Madison Whittle, Meriden 8
Awards: Honors = 2
- 2545 L8 Growing Plant Cuttings
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Mrs. Hays
Masudur Rahman, Hartford 8
Awards: Honors = 2

- 2546 L8 Seed Germination in Different Mediums
 Plantsville, J.F. Kennedy Middle School, Teacher - Mrs. Pepin
 Avery Cowen, Marion / Southington 8
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award
- 2547 L8 Which type of allergy decongestant dissolves in stomach acid the fastest?
 Newington, St. Mary School, Teacher - Ms. Zoe Mendal
 Michelle Di Cicco, New Britain 8
 Awards: Honors = 2
- 2548 L8 Using Artificial Neural Networks to Diagnose Prostate Cancer Malignancy
 Avon, Talcott Mountain Academy, Teacher - Dr. Jessica Lodwick
 Zan Huang, West Hartford 8
 Awards: Honors = 2
 • 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 --- 2nd Place Middle School - \$200, Trophy and Medallion
- 2549 L8 Brain Games
 Shelton, St. Joseph School, Teacher - Mr. Kieran Hyland
 Jordan House, Ansonia 8
 Awards: Honors = 2
- 2550 L8 Hatch by Day, Hatch by Night: Brine Shrimp Egg Hatching Rate With Exposure to Light
 Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Rebecca Hays
 Tussan Hoyt, Hartford 8
 Awards: Honors = 2
- 2552 L8 THE WAY OF THE FUTURE- A LOOK AT MAKING BIOFUEL FROM DIFFERENT PLANTS
 Hartford, Kennelly School, Teacher - Ms Bonet
 Damontey Harrison, Hartford 8
 Awards: Honors = 3
- 3001 LS Stomping Out Stigmas Associated With Depression
 Norwich, Norwich Technical High School, Teacher - Mrs. Lisa Elliott
 Alexandra Smith, Norwich 12
 Awards: Honors = 3
- 3002 LS The Optimization of Nanoparticle-based Drug Delivery of Melittin in A Selective, Biocompatible Method to Target HIV Structural Antigen p24
 Greenwich, Greenwich High School, Teacher - Bramante
 Sanju Sathish, Greenwich 11
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High- \$300 & Plaque, Trip to compete at Intel ISEF
 • Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award
- 3003 LS Polymorphism in MERTK associated with Multiple Sclerosis
 Woodbridge, Amity Regional High School, Teacher - Deborah Day
 Agrani Dixit, Woodbridge 10
 Awards: Honors = 2
 • Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award
- 3004 LS Battling Honey Bee CCD via Reduction of Neonicotinoid Content in Guttation Droplets using Biochar Soil Additives
 Greenwich, Greenwich High School, Teacher - Andrew Bramante
 Derek Woo, Greenwich 11
 Awards: Honors = 2
 • Yale Peabody Museum --- One-Year Family Membership to the Yale Peabody Museum
 • Alumni Botany Awards --- Alumni High School Botany Award- \$100 Cash

AWARDS

- 3005 LS Cancer Indices and Circadian Rhythm Disruption: The Influence of Geographic Location within Time Zones
Cheshire, Cheshire High School, Teacher - Julie Barker
Shangda Xu, Cheshire 12
Awards: Honors = 2
- 3006 LS How does UV light affect the growth of bacteria
Canton, Canton High School, Teacher - Stephen Riley
Morgan Schroeter, Canton 12
Awards: Honors = 3
- 3007 LS Cancer Cell Invasion into the Stroma
Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Mr. Bouffard
Shubhangy Raghavan, Bridgeport 9
Awards: Honors = 2
- 3008 LS Investigating the Proteolytic Effect of Serine Protease Against Staphylococcus Aureus Biofilm Formation on Glass and Stainless Steel Surface Chips
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Takema Kajita, Cos Cob 11
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 - Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award
- 3010 LS Densities of Phytoplankton in an Acidic Ocean
Fishers Island, Fishers Island School, Teacher - Carol Giles
Mackenzie Switz, Stonington 12
Awards: Honors = 2
- 3012 LS Selective Improvement in Anti-Cancer Drug Sensitivity via D-Glucosamine Inhibition of STAT3 Oncogenic Expression
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Madeleine Zhou, Old Greenwich 11
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 - Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award
- 3013 LS Assessing the Efficiency and Ecological Impact of Various Anti-fouling Methods
Fishers Island, Fishers Island School, Teacher - Mrs. Carol Giles
Elias Kane, Groton 12
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- 2nd Place HS- \$500, Plaque, CACIWC gifts, Trip to Compete GENIUS Olympiad, Oswego, NY
 - ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
 - Project Oceanology --- Individual - Book + 2 tickets, First Place Senior, check for \$100, t-shirt
- 3014 LS Soil Respiration and Project GRACE Groundwater Anomalies
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Katelyn Sun, Redding 11
Awards: Honors = 2
- Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSEF
- 3015 LS Examining the effectiveness of phytoremediation of heavy metals in water using Elodea Canadensis and Brassia Juncea.
Fairfield, Fairfield College Preparatory School, Teacher - Mrs. Kiel
Jonathan Siveyer, Monroe 11
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 - Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, air pollution related

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- 3016 LS An Evaluation of the Accuracy of an Advanced Nanoribbon Microfluidic System to Measure Cytokine Concentration
 New Haven, Engineering Science University Magnet School, Teacher - Heather Toothaker
 Lauren Low, Hamden 11
 Awards: Honors = 2
 • CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
 • Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$250 cash
- 3019 LS Evaluation of the Health of Bermuda's Reefs Based on Fish and Coral Populations
 Greens Farms, Greens Farms Academy, Teacher - Dr. Mathieu Freeman
 Abby Viton, Greenwich 12
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3020 LS Protein Markers on Peripheral Blood Mononuclear Cells of Non-Smokers, Current Smokers, and Former Smokers
 Woodbridge, Amity Regional High School, Teacher - Deborah Day
 Ulada Dubovik, Orange 10
 Awards: Honors = 2
- 3023 LS Using Eco-friendly Acids to Accelerate the Decomposition of Polystyrene
 Trumbull, Trumbull High School, Teacher - Steffanie Elkins
 Julie Hyland, Trumbull 10
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3024 LS An Application To Efficiently Take Notes Reliably For Full Student Engagement in a Teacher's Lecture
 Suffield, Suffield High School, Teacher - Mitch Charkiewicz
 Madison D'Ostuni, Suffield 11
 Awards: Honors = 3
 • Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
- 3025 LS Orchids and Dandelions: Testing Differential Susceptibility in Children from Different Backgrounds
 Wallingford, Choate Rosemary Hall, Teacher - Allison Nishitani
 Shin Young Kwon, Wallingford 11
 Awards: Honors = 3
- 3026 LS The Effects of Magnetic Fields on Plant Growth
 Suffield, Suffield High School, Teacher - Mr. Charkiewicz
 Katherine Baker, Suffield 11
 Awards: Honors = 2
- 3027 LS Bioaccumulation of Total Mercury in the Poquonnock River System and its Implications for Local Fisheries
 New London, Science and Technology Magnet HS, Teacher - Chuck Mulligan
 Kathryn Ashbey, Waterford 12
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 • Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 • Mystic Aquarium --- \$100 and 4 Admission Tickets to Mystic Aquarium
 • Southeastern New England Marine Educators --- \$100 award and membership in SENEME - 1st Place Senior & T-Shirt
 • Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Life Sciences
- 3028 LS The Affect of Bivalves on Environmental Systems
 Trumbull, St. Joseph High School, Teacher - Dr. Walsh
 Abigail Cloud, Bridgeport 9
 Awards: Honors = 2
- 3029 LS Development of a Portable, Tattoo-Based Biosensor for the Non-Invasive, Low-Cost Diagnosis of Atherosclerosis via
 Iontophoresis of Macrophage-Targeting Silver Nanoparticles
 Greenwich, Greenwich High School, Teacher - Mr. Andrew Bramante
 William Yin, Riverside 11
 Awards: Honors = 2
 • Alexion Biotechnology Awards --- 1st Place- Biotechnology Senior High- Trip to compete at Intel ISEF, \$1000 & plaque
 • Biophysical Society --- Biophysics Award- \$100
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AWARDS

- 3030 LS Using the Physiological Energetics Model to Study the Effects of Contaminating Microscopic Plastic Particles on Blue Mussel, *Mytilus edulis*
Hamden, Sacred Heart Academy, Teacher - Mrs. Susan Nelson
Catherine Herrick, Sandy Hook 9
Awards: Honors = 2
• Environmental Sciences Awards with CACIWC --- 3rd Place HS- \$100, Plaque, CACIWC gifts
- 3032 LS Bioencapsulating Brine Shrimp with Vitamin D3 to Find its Impact when Ingested by Lobsters
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Monika Metro, Monroe 12
Awards: Honors = 2
- 3033 LS Open-Wound Administration of Coagulant and Antibacterial Therapeutics via CaCO₃ Microparticle Self-propulsion
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Michelle Woo, Riverside 10
Awards: Honors = 2
• Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist- Life Sciences - Medallion and Acrylic Award
• Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
• UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
- 3036 LS Modified Compost Leachate as a Narrow Spectrum Targeting Herbicide
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Sara Beck, Milford 12
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
• Fox Pest Control Award for Environmental Management --- \$150 Cash for Excellence in Environmental Management
- 3037 LS Expansion of the *Agrilus Planipennis* (Emerald Ash Borer) in Northwestern Connecticut Decreasing the Population of *Fraxinus Americana* (White Ash)
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Christopher Kaczegowicz, Easton 11
Awards: Honors = 3
- 3038 LS Decoding Dangerous DNA
Bethel, Bethel High School, Teacher - Ray Turek
Monisha Das, Bethel 12
Awards: Honors = 3
• Xerox Computer Science Awards --- 3rd Place High School- \$200, Plaque, Medallion
• Intel Excellence in Computer Science Award --- \$200 & certificate
• Leask/Francoeur Family Awards --- 1st Place High School- For innovation electrical engineering or computer science - \$200 cash
• 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
• University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Cell and Molecular Biology
- 3039 LS After crude oil has been added to wild caught phytoplankton, does Dawn soap help the phytoplankton or does it deform it to a greater effect?
New London, Science and Technology Magnet HS, Teacher - Mr. Mulligan
Tessa Rock, New London 10
Awards: Honors = 1
• Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3040 LS Identification of Differentially Expressed Genes of Membrane-Bound Proteins as Potential Targets for Osteosarcoma Therapy
Glastonbury, Glastonbury High School, Teacher - Diane Pintavalle
Reshana Homma, Glastonbury 11
Awards: Honors = 2
- 3041 LS Murine Antibody Responses to the Relapsing Fever Spirochete *Borrelia miyamotoi*
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Emily Criscuolo, Woodbridge 11
Awards: Honors = 3

- 3042 LS An Electronic Neural Model of the Patellar Reflex Arc
Windsor, Academy of Aerospace and Engineering, Teacher - Dr. Lili Aramli
Joshua Snyder, Ivoryton 11
Awards: Honors = 2
- CASE Urban School Challenge Awards with Travelers --- 2nd Place High School - \$400 and Plaque, Medallion
 - Alexion Biotechnology Awards --- 4th Place- Biotechnology Senior High- \$200 & plaque
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
 - IEEE, Connecticut Section --- \$100 Honorable Mention
 - John B. Trevor Award in Electrical Engineering --- \$500 cash award for an innovative electronic or electrical project
- 3043 LS An investigation of the ability of Pseudomonas putida to counteract Elevated Heart Rate in Daphnia Magna Exposed to Nicotine
Greenwich, Brunswick School, Teacher - Dana Montanez
Jack Driscoll, Greenwich 10
Awards: Honors = 2
- 3044 LS Effects of Temperature on Oxygen Productivity of Marine Phytoplankton
New London, Science and Technology Magnet HS, Teacher - Mr. Mulligan
Adriana Diaz, New London 10
Awards: Honors = 3
- 3045 LS Polyetherketoneketone (PEKK) Surgical Implant: An alternative cure for Internal Coxa Saltans in Female Adolescents
New Haven, Wilbur Cross High School, Teacher - Caroline Dahm
Sophie Edelstein, New Haven 9
Awards: Honors = 3
- Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- HS Life Sciences- \$500 / plaque
 - CSEF Board of Directors Award to Compete at International Science & Engineering Fair --- CT Science & Engineering Fair Board of Directors Award to Compete at International Science & Engineering Fair
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
 - John S. Kendall Memorial Awards --- \$500 John S. Kendall Award for Excellence In Mechanical Engineering - High School
- 3046 LS The Anomaly of Temperature and Relative Humidity on Ixodes scapularis Subsistence and the Incidence of Borrelia burgdorferi- Caused Maladies
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Gabrielle Colangelo, Easton 11
Awards: Honors = 2
- 3047 LS An Investigation into the Affect of Computer Puzzle Games on Student Test Scores
Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Mrs. Jamie Warner
Steven Siveyer, Monroe 9
Awards: Honors = 2
- Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
- 3048 LS The Effects of Technology on Aging
Hamden, Sacred Heart Academy, Teacher - Susan Nelson
Vivian Wang, North Branford 9
Awards: Honors = 2
- 3049 LS Assessing the Effectivity of Instructional Videos in Medical Education: A Meta-Analysis Study
Glastonbury, Glastonbury High School, Teacher - Diane Pintavalle
Mikayla Morosky, Glastonbury 11
Awards: Honors = 2
- 3051 LS What the Capturing and Recapturing of Limulus polyphemus Reveal about their Ecological Patterns of Spawning and Migration
Westport, Staples High School, Teacher - Mrs. Thompson
Paul Tricarico, Westport 12
Awards: Honors = 3
- The Goodwin-Niering Center for the Environment --- \$100 for “Excellence in Environmental Conservation Studies”

AWARDS

- 3052 LS Using biochar and 8-methyl-N-vanillyl-trans-6-nonenamide as a nontoxic agricultural pest inhibitor for glycine max
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Skylynn Reyes, Bridgeport 12
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- 1st Place HS- \$500, Plaque, CACIWC gifts, Trip to Compete I-SWEEEP, Houston
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Environmental Science
- 3053 LS The Intracellular Motility Factors of *Listeria Monocytogenes* as a Platform for Liposomal Drug Delivery in Cancer
Simsbury, Westminster School, Teacher - Mark DeKanter
Teagan Stedman, Avon 10
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3054 LS Handedness and the Stroop effect
Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Mr. Grace
Emma O'Clair, Trumbull 9
Awards: Honors = 3
- 3055 LS The Effects of Sea Squirts on the Habitats of Native Species in Long Island Sound
Shelton, Shelton High School, Teacher - Mrs. Dunham
William Simics, Shelton 12
Awards: Honors = 3
- Banning Family Life Science Award --- For excellence in invasive species research, \$100 cash
- 3056 LS Optimizing growth of *Phaseolus vulgaris* using Hawaiian Cinder Cone soil as a proxy for agricultural conditions on Mars
Greenwich, Brunswick School, Teacher - Dana Montanez
Nick Saah, Darien 10
Awards: Honors = 3
- 3057 LS The affect different foods have on short and long term memory.
Trumbull, Trumbull High School, Teacher - Steffanie Elkins
Miriam Marino, Trumbull 10
Awards: Honors = 3
- 3058 LS Anomalies Between the Change in Temperature and the Growth of the Bacterium *Erwinia Amylovora* in the Macintosh Malus
Pumila in the Northeast
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Tim Tamallanca, Easton 11
Awards: Honors = 3
- 3059 LS The Effects of Shade Tolerance and Chlorophyll Density in *Ulva* sp. Cells
New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
Kristen Sinagra, New London 10
Awards: Honors = 2
- 3060 LS The Influence of the LGI-1 Gene on Cognition of APP/PS1 Alzheimer's Disease Mouse Models
Darien, Darien High School, Teacher - David Lewis
Katie Tsui, Darien 12
Awards: Honors = 2
- 3062 LS A Novel Comparison of Environmentally Friendly Organic Acids Against Expensive Toxic Herbicides on Raising the Soil pH
to Eliminate Invasive Japanese barberry (*Berberis thunbergii*)
Redding, Joel Barlow High School, Teacher - Dr. Nuzzo
Ben Ruffing, Redding 11
Awards: Honors = 2

- 3064 LS Measuring Reaction Times to Visual and Auditory Stimuli
Suffield, Suffield High School, Teacher - Mitchell Charkiewicz
Caitlin Kirschbaum, Suffield 11
Awards: Honors = 2
 - American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project
- 3065 LS In silico Prediction of Breast Cancer Cellular Response to Drug Therapies using Random Forests Algorithms
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Shobhita Sundaram, Greenwich 10
Awards: Honors = 2
 - 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
- 3066 LS Developing a Novel Progranulin-Derived Biologic for Gaucher disease
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Helen Liu, Orange 12
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- 3rd Place- Life Sciences Senior High- \$200 & Plaque
 - Alexion Biotechnology Awards --- 2nd Place- Biotechnology Senior High- \$500 & plaque
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Microbiology
- 3067 LS Improvements in Chemotherapy: The Implementation of HSP90 Inhibitors in the Suppression of Chemoresistance
Windsor, Academy of Aerospace and Engineering, Teacher - Dr. Lili Aramli
Leon Novak, Rocky Hill 12
Awards: Honors = 2
 - CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
- 3068 LS Effect of Effect of Marine Aquaculture in Classroom On Atlantic Horseshoe Crab (*Limulus Polyphemus*) Growth and Development.
Manchester, Manchester High School, Teacher - Mrs. Megan Rader
Jay Dalal, Manchester 12
Awards: Honors = 3
- 3069 LS Significance of osteosarcoma tumors of different stages, histological phenotypes, and clinical outcomes on the expression of BMPR2
Glastonbury, Glastonbury High School, Teacher - Diane Pintavalle
Kanika Malani, Glastonbury 12
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- 5th Place- Life Sciences Senior High- Plaque
- 3070 LS De-Statolization; The Effect of Ocean Acidification on Squid
Fishers Island, Fishers Island School, Teacher - Carol Giles
Charles Snyder, Stonington 11
Awards: Honors = 2
- 3071 LS The Effect of Color on the Perception of Saltiness
Redding, CT STEM FAIR, Teacher - Scott DeMeo
Neha Sudhir, Woodbridge 9
Awards: Honors = 2
 - Institute of Food Technologists, Nutmeg Section --- \$100 award + invitation to dinner
- 3072 LS Microwaved Sprouting
New Britain, CREC Medical Professions & Teacher Prep Academy, Teacher - Peter Wik
Hardhik Kummamuru, Windsor Locks 9
Awards: Honors = 3
- 3074 LS Sugar Rush
Fishers Island, Fishers Island School, Teacher - Carol Giles
Alan Eastman, Fishers Island 12
Awards: Honors = 2

AWARDS

- 3075 LS THE CHANGES IN GENE EXPRESSION BETWEEN NORMAL BONE CELLS AND OSTEOSARCOMA TUMOR CELLS
Glastonbury, Glastonbury High School, Teacher - Sara Almeida
Pallavi Reddy, Glastonbury 12
Awards: Honors = 2
- 3076 LS Mapping the Relationship Between Reading Ability and Successfully Learning an Artificial Lexicon
Woodbridge, Amity Regional High School, Teacher - Ms. Deborah Day
Ananya Kachru, Woodbridge 10
Awards: Honors = 3
- 3077 LS CO2 Concentration and Intensification of Gr22 Protein Expression in Anopheles Gambiae Mosquitoes
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Jessica Lam, Easton 11
Awards: Honors = 3
- 3078 LS Synthesis of Thermosensitive Magnetoliposomes for the Treatment of Atherosclerosis via Controlled Drug Delivery & Magnetic Hyperthermia
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Margaret Cirino, Greenwich 11
Awards: Honors = 2
- U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSEF
 - University of Connecticut Academic Excellence Scholarship --- Academic Excellence Scholarship - \$5000 a year for each of four academic years- \$20,000 total
- 3080 LS Analyzing Vitiligo's Predisposing Factors with Genetic Programming
Ridgefield, Ridgefield High School, Teacher - Michael Yagid
John Diorio, Ridgefield 12
Awards: Honors = 3
- 3081 LS The Effect Of Common Cold and Flu Medications on Gut Bacteria
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Rahul Subramaniam, Cos Cob 9
Awards: Honors = 2
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award
- 3082 LS Observing the Synergistic Effect of Pesticides on Terrestrial and Aquatic Ecosystems
Greenwich, Brunswick School, Teacher - Dana Montanez
John Stefanou, Old Greenwich 11
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 - Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSEF
- 3083 LS A Look Into Social Anxiety Disorder
Norwich, Norwich Technical High School, Teacher - Mrs. Lisa Elliott
Monica Haight, Plainfield 12
Awards: Honors = 3
- 3084 LS How do varying kinds of enzymes effect the efficiency of enzymatic hydrolysis on lignocellulic material to produce cellulosic ethanol through fermentation
New Haven, Engineering Science University Magnet School, Teacher - Roger Rushworth
Sumanth Kondapalli, Milford 9
Awards: Honors = 2
- CASE Urban School Challenge Awards with Travelers --- 5th Place High School - Plaque, Medallion
 - Energize CT/esmarts Future Sustainability Awards --- 2nd Place High School - \$500 Cash and Plaque, Trip to Compete at GENIUS Olympiad, Oswego, NY
- 3085 LS Delivery of Docetaxel via a Modified PEGylated Graphene Oxide Carrier to Inhibit Growth of Prostate Cancer Stem Cells
Greenwich, Greenwich High School, Teacher - Andy Bramante
Henry Dowling, Riverside 11
Awards: Honors = 2
- Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion & Acrylic Award

- 3086 LS Analysis of Honey Derivatives as a Functional Tumor Growth Suppressant
 Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
 Katharine Morris, Bridgeport 12
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 • Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- HS Life Sciences- \$150 / plaque
 • Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
 • University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Biochemistry
- 3087 LS Effect of Music and Art Therapy on Human Heart Rate
 Fishers Island, Fishers Island School, Teacher - Carol Giles
 Thaddeus Allen, New London 11
 Awards: Honors = 3
- 3088 LS Facilitated Delivery of Mitoxantrone Chemotherapy via High-load Citric Acid Coated Magnetite Nanoparticles
 Greenwich, Greenwich High School, Teacher - Andy Bramante
 Agustina Stefani, Greenwich 11
 Awards: Honors = 2
- 3089 LS CRISPR Based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)
 Hamden, Hamden High School, Teacher - Mr. Martins
 Aakshi Agarwal, Hamden 11
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High- \$500 & Plaque, Trip to compete at Intel ISEF
 • H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with
 CCAT --- Life Sci. Senior 1st HS- \$1,000, Solid Silver Medal of Excellence, invite to CASE Annual Mtg
 • Alexion Biotechnology Awards --- 3rd Place- Biotechnology Senior High- \$300 & plaque
- 3090 LS The Rate of Calcification of Crassostrea Virginica as Calcium Carbonate Levels are Increased
 Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
 Tatiana Naclerio, Easton 11
 Awards: Honors = 2
 • Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 • Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSEF
- 3092 LS Exploring the Effects of Eutrophication on an Aquatic Ecosystem
 Broad Brook, Masthay - Homeschool, Teacher - Melissa Masthay
 Jamie Masthay, Broad Brook 10
 Awards: Honors = 3
 • Connecticut Science Supervisors Association --- \$125 for a high school project
- 3093 LS The Effect of Protective Material Type on Concussion Prevention
 Redding, CT STEM FAIR, Teacher - Deborah Day
 Quinn Burke, Woodbridge 10
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
 • American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project
- 3095 LS Structure-Activity Relationship Study of Dual Inhibitors of Streptococcus Pyogenes and Methicillin-resistant Staphylococcus
 Aureus
 Glastonbury, Glastonbury High School, Teacher - Ms. Pintavalle
 Sara Tavakoli, Glastonbury 12
 Awards: Honors = 2
- 3097 LS investigating the cardiac effect of toxicity by microwaved plastic products using Daphnia magna.
 Windsor, The Loomis Chaffee School, Teacher - Koby Osei-Mensah
 HyunWoo Lew, Windsor 11
 Awards: Honors = 2
 • Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSEF

AWARDS

- 3098 LS Novel Methods for Healthier Deep Frying by Limiting Oxidation of Cooking Oils
Waterford, Waterford High School, Teacher - Mrs.Castleberry
Sophie Wang, Waterford 10
Awards: Honors = 2
- Institute of Food Technologists, Nutmeg Section --- \$100 award + invitation to dinner
 - University of Connecticut - Physics Department --- UCONN Early College Experience Program: Life Sciences - Co-Op \$100 Gift Certificate
- 3099 LS The Effects of Hydrocarbon Exposure on Expression of the CaMV 35S Promoter in Genetically Modified Soybeans
New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
Sylvia Guijarro-Sines, New London 11
Awards: Honors = 1
- Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3100 LS Enhanced Cellulolytic Enzyme Production by the Synergism between *Trichoderma reesei* and *Aspergillus niger* for the Production of Cellulosic Biofuel via Enzymatic Saccharification of Perennial Wheatgrass.
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Teresa Zheng, Greenwich 12
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 4th Place- Life Sciences Senior High- Plaque
 - Otero Family Award --- The Otero Family Award; \$200 cash
- 3101 LS Application of *Drosophila* male courtship choice in Alzheimer's disease research
Kent, Kent School, Teacher - Lei Xue
Mi Hu, Kent 11
Awards: Honors = 3
- 3102 LS Effects of Cinnamon Powder and Oil on *Escherichia Coli*
Windsor, Greater Hartford Academy of Math & Science, Teacher - Dr. Lili Aramli
Jack Breton, Wethersfield 11
Awards: Honors = 2
- Society for In Vitro Biology --- Certificate and \$50 gift card to Amazon given by CSEF
- 3103 LS Chemo-responsive behavior of the Cancer *Irroratus* when exposed to carbon dioxide induced ocean acidification
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Libby Albanese, Redding 11
Awards: Honors = 3
- Yale Peabody Museum --- Family "six-pack" of free passes to the Yale Peabody Museum
- 3104 LS Stopping the stigma on obsessive compulsive disorder (OCD)
Norwich, Norwich Technical High School, Teacher - Mrs. Lisa Elliott
Carley Fratoni, Norwich 12
Awards: Honors = 3
- American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSEF
- 3105 LS The Effect of Polyphenols in Tea on Preventing *E.Coli* Growth
Hamden, Sacred Heart Academy, Teacher - Susan Nelson
Katie Gray, Oxford 9
Awards: Honors = 2
- Sister Mary Christine Life Sciences Award --- \$250 and plaque for excellence in the life sciences by a catholic high school project
- 3106 LS The Effect of Nitrate Enrichment on the Ability of *Nannochloropsis* sp. to Offset Ocean Acidification
New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
Chloe Sherman-Watson, New London 11
Awards: Honors = 2
- 3107 LS Targeted Therapies for KRAS Mutant Cancers
Darien, Darien High School, Teacher - Mrs. Leventhal
Sarishka Desai, Darien 12
Awards: Honors = 2

- 3108 LS A Novel Application of Biochar to Prevent Potential Evapotranspiration in Cotton Plants
 Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
 Christian Marini, Redding 11
 Awards: Honors = 2
- 3109 LS The Induction of Apoptosis in Leukemia and Lymphoma Cell Lines by Small Molecule Inhibitors through Inhibition of Antiapoptotic Proteins
 Ridgefield, Ridgefield High School, Teacher - Mr. Ryan Gleason
 Jennifer Schwartz, Ridgefield 12
 Awards: Honors = 2
- 3110 LS Oral delivery of insulin therapy via low cost, pH sensitive hydrogels
 Greenwich, Greenwich High School, Teacher - Andrew Bramante
 Michelle Xiong, Riverside 10
 Awards: Honors = 2
 • Alexion Biotechnology Awards --- 5th Place- Biotechnology Senior High- \$100 & plaque
- 3111 LS Development of New Filter for MRI Image Quality Improvement
 Watertown, The Taft School, Teacher - Alvin Reiff
 Joo Sung Yi, Cresskill 10
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3112 LS The Correlation of the Development of Children’s Phonological Awareness, Intelligence Quotient, and Reading Cognition
 Woodbridge, Amity Regional High School, Teacher - Deborah Day
 James He, Woodbridge 11
 Awards: Honors = 2
- 3113 LS A Novel Approach for Detection of Early Onset of Chronic Kidney Disease (CKD) in the Rural Communities of Sri Lanka
 Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
 Sumudu Gunawardana, Easton 10
 Awards: Honors = 2
- 3114 LS Analyzing the use of Moon Jellyfish, Aurelia aurita, Collagen as a Viable Alternative in Medical Applications
 Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
 Kylie Fawcett, Fairfield 12
 Awards: Honors = 2
 • Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- HS Life Sciences- \$250 / plaque
 • CASE Urban School Challenge Awards with Travelers --- 4th Place High School - Plaque, Medallion
- 3115 LS Identifying Quasi-Periodic Patterns in Functional MRI Data
 Redding, CT STEM FAIR, Teacher - Deborah Day
 Haya Jarad, Orange 11
 Awards: Honors = 3
- 3116 LS The Effect of Prevalent Environmental Pollutants on the Regeneration Rate of *N.vectensis*
 Windsor, Greater Hartford Academy of Math & Science, Teacher - Dr. Aramli
 Bryan Tassavor, Rocky Hill 12
 Awards: Honors = 3
- 3118 LS GABA Responses in Adult MCH Neurons
 Woodbridge, Amity Regional High School, Teacher - Deborah Day
 Rohan Patel, Orange 11
 Awards: Honors = 1
 • Pfizer Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion & Acrylic Award
- 3120 LS The Effect of Diet on Homeostasis in the Human Body
 Ansonia, Ansonia High School, Teacher - Mrs. Seibert
 Matthew Madar, Ansonia 12
 Awards: Honors = 2

AWARDS

- 3121 LS The Effect of Nicotine Concentration on Endothelial Cell Proliferation
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Kevin Yanagisawa, Woodbridge 10
Awards: Honors = 3
- 3122 LS Biodegradable Plastic Study to Prevent Oceanic Pollution
Shelton, Shelton High School, Teacher - Dr. Tosca Rivera
Marissa Peck, Shelton 11
Awards: Honors = 2
- ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
- 3123 LS The Relationship Between Exposure to Proton Pump Inhibitors and Risk for Bacteremia in ICU Patients: A Retrospective Cohort Study
Darien, Darien High School, Teacher - Christine Leventhal
Johnathan Stimpson, Darien 11
Awards: Honors = 2
- 3124 LS Effects of Varied Concentrations of Propolis and Saccharin on the Development of Zebrafish Embryos
Windsor, Academy of Aerospace and Engineering, Teacher - Dr. Lili Aramli
Derin Yetil, Newington 11
Awards: Honors = 3
- 3502 LST Runoff Effects on the Burial of Hermit Crabs
New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
Clara-Luz Hoffman, New London 11 Moli Michel New London 11
Awards: Honors = 3
- 3503 LST The effect of different chain length fatty acids on a Drosophila model of human MTP deficiency
Norwich, Norwich Technical High School, Teacher - Jesse Morin
Kassidy Stackpole, Montville 10 Travis Nordgren Griswold 10
Awards: Honors = 2
- 3504 LST The Effects of Home Remedies on Staphylococcus aureus
Windsor, Greater Hartford Academy of Math & Science, Teacher - Dr. Lili Aramli
Kajal Shah, Rocky Hill 11 Amber Rehman Rocky Hill 11
Awards: Honors = 3
- 3505 LST How the Sediment From Water Help to Affect Crop Yield of Pea Plants
Suffield, Suffield High School, Teacher - Mitchell Charkiewicz
Jason Werenski, Suffield 11 Yash Mehta Suffield 11
Awards: Honors = 3
- Connecticut Nurserymen's Foundation, Inc. --- \$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting
- 3506 LST The Effect of Oniscus asellus Activity and Associated Decomposition on Soil Composition and Plant Growth
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Haseeb Khan, Orange 12 Barak Davidi Woodbridge 12
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 3507 LST A Novel Study on the Effect of Increased Temperature on Carbon Dioxide Fixation of Crassulacean Acid Metabolism Plants
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Ryan Weinstein, Easton 11 Cristina Kontogiannis Redding 11
Awards: Honors = 3
- 3509 LST The Effect of Polarized Water on the Brassica rapa
New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
Precious Ehwarime, Norwich 11 Leon Bolle Groton 11
Awards: Honors = 3

- 3510 LST The Effect of Multilingualism on Attentional Control Measured with Time Perception
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Yuqi Zhou, Woodbridge 10 Sebin Park Woodbridge 10
Awards: Honors = 2
- 3511 LST Clean the Seas: The Effects of Pollutants on Aquatic Life
Shelton, Shelton High School, Teacher - Pamela Petro
Courtney Litts, Shelton 10 Lauren Pawlowski Shelton 10
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award
 - Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 3512 LST Clarifying Bipolar Disorder and the Stigmas Pertaining to it
Norwich, Norwich Technical High School, Teacher - Mrs. Lisa Elliott
Jeffrey Herbert, Norwich 12 Mike Sanon Norwich 12
Awards: Honors = 2
- 3514 LST Integration of Auditory and Visual Features of Speech Perception in Schizophrenia: A Neurophysiological Investigation of the McGurk Effect
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Yiran Zhang, Orange 12 Eli Silvert Woodbridge 12
Awards: Honors = 2
 - American Psychological Association --- Certificate, \$50 gift card to Amazon given by CSEF
- 3515 LST Post-Traumatic Stress Disorder
Norwich, Norwich Technical High School, Teacher - Mrs. Lisa Elliot
Rebekah Smith, Ledyard 12 Autumn Stimson Canterbury 12
Awards: Honors = 2
- 3517 LST The effect of probiotic yeast on a fruit fly model of human MTP deficiency
Norwich, Norwich Technical High School, Teacher - Jesse Morin
Courtney Michaud, Norwich 10 Jaeden Spitalo Baltic 10 Kyle Tempesta Uncasville 10
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- 3rd Place - Life Sciences Senior High Team - Plaque
- 3518 LST Extracting Streptomyces From Soil
New Haven, Hill Regional Career High School, Teacher - Peter Dimoulas
Ghadah Ali, East Haven 10 Selma Abouneameh Derby 10
Awards: Honors = 2
- 3519 LST The Effects of Taraxacum on Mouse Lung Cancer Cells
Windsor, Greater Hartford Academy of Math & Science, Teacher - Dr. Lili Aramli
Nickolina Doran, Southington 11 Jacqueline Klepinger Wethersfield 12
Awards: Honors = 3
- 3520 LST The Developmental Neuroscience of Rational Decision Making and Risk Taking in Childhood and Adolescence
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Kate Wegener, Easton 10 Katherine Wright Redding 10
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award
- 3521 LST Stomping the Stigma of Schizophrenia
Norwich, Norwich Technical High School, Teacher - Mrs. Lisa Elliott
Lisa Garcia, Norwich 12 Hannah Holloway Pawcatuck 12
Awards: Honors = 1
 - Pfizer Life Sciences Awards --- Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award
- 3522 LST Nitrogen, Phosphorous, Potassium ratio effect on plant growth
New London, Science and Technology Magnet HS, Teacher - Mr. Mulligan
Madison Keefe, New London 10 Cora Sawyer Stonington 10
Awards: Honors = 2

AWARDS

- 3524 LST Acropora and Anacropora Grafting: A Feasible Method to Reestablish Zooxanthellae Colonies following a Traumatic Bleaching Event
Greenwich, Brunswick School, Teacher - Dana Montanez
Thacher Scannell, Stamford 10 Edward Camel Greenwich 10
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 2nd Place- Life Sciences Senior High Team- \$300 (split) & Plaque
 - Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 3525 LST Effect of Fatty acid oxidation upregulators on a fruit fly model of human MTP deficiency.
Norwich, Norwich Technical High School, Teacher - Dr. Jesse Morin
Brianna Dziekan, Baltic 10 Athena Missios Uncasville 10 Gianpierre Roche Willimantic 10
Awards: Honors = 2
- 3527 LST Investigating the feasibility of a cooperative yeast-algae biofuel production system and its effects on biomass and resulting impurities
Greenwich, Brunswick School, Teacher - Dana Montanez
Alexander Wada, Old Greenwich 11 Colin MacFaddin Cos Cob 11
Awards: Honors = 1
- Pfizer Life Sciences Awards --- 1st Place- Life Sciences Senior High Team- \$500 (split) & Plaque
 - Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- 3529 LST Effect of short chain fatty acid (SCFA) producing probiotic microorganisms on the phenotype of a D. melanogaster model of human MTP deficiency
Norwich, Norwich Technical High School, Teacher - Dr. Jesse Morin
Ryan Stollman, Colchester 10 Christopher Papotto Colchester 10
Awards: Honors = 2

Physical Sciences

- 4001 PT Emergency Oil Spill Robot
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Victor You, Woodbridge 8 Benjamin Goldstein Woodbridge 8 Ryan Kelley Woodbridge 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
 - Barnes Aerospace Applied Technology Awards --- 3rd Place Middle School - \$100 and Trophy, Medallion
 - National Oceanic and Atmospheric Administration --- Certificate and medallion, and \$50 gift card to Amazon given by CSEF
- 4002 PT Evaporation Race
Bridgeport, Park City Prep Charter School, Teacher - Jonathan Jaekle
Cristian Ortiz, Bridgeport 8 Dennis Hampton Bridgeport 8
Awards: Honors = 3
- 4003 PT Nailed It: Nails and Liquids That Corrode Them
Manchester, St. James School, Teacher - Mrs. Plante
Kate Leyden, Manchester 7 Max Lambert Manchester 7
Awards: Honors = 3
- American Society for Metals - Hartford Chapter --- \$100 check
 - American Society for Metals - Hartford Chapter --- \$100 check
- 4004 PT Salty Electrons
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Juliette Ranelli, New Haven 8 Mei Han New Haven 8
Awards: Honors = 2
- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
- 4005 PT Musical Hands; Prosthetic Components to Assist Disabled Musicians
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Olivia Gross, Woodbridge 8 Ruth Berganross Woodbridge 8
Awards: Honors = 2
- Alexion Biotechnology Awards --- Finalist - Biotechnology 8th grade - CSF Medallion & Acrylic Award

- 4006 PT Modeling Volcanic Eruptions with Mentos.
Bridgeport, Blackham School, Teacher - Patricia Wrenn
Anthony Chen, Bridgeport 7 Zarif Kurti Bridgeport 7
Awards: Honors = 3
- 4007 PT MAGNETISM- maglev train
Bethel, St. Mary School, Teacher - Mrs. Kate McDonald
Gerard Kane, Danbury 8 Brendan Divincenzo Redding 8
Awards: Honors = 3
- 4008 PT So Much Blood
Bridgeport, Park City Prep Charter School, Teacher - Jonathan Jaekle
Julissa Acevedo, Bridgeport 8 Dayhana Perez Bridgeport 8
Awards: Honors = 2
- 4009 PT The TempBot
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Ana Boccanfuso, Woodbridge 8 Saunder Saffran Bethany 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
 - Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
 - Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
 - IEEE, Connecticut Section --- \$100 Honorable Mention
- 4010 PT The Thermoelectric Trivet: A Device For Converting Waste Heat From Cooking Into DC Current
Windsor, St. Gabriel School, Teacher - Margaret Rosa
Benjamin Clark, Windsor 8 Alma Clark Windsor 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place- Physical Sciences MS Team- trophy, invite to compete Broadcom MASTERS
 - Environmental Sciences Awards with CACIWC --- 3rd Place MS- \$100, Trophy, CACIWC gifts
- 4011 PT Reflected Light: What material reflects the most light?
Manchester, St. James School, Teacher - Mrs. Plante
Chris Constantine, Hebron 7 Alexander Gregery Setzler Manchester 7
Awards: Honors = 3
- 4012 PT “Do All Liquids Evaporate At The Same Rate?”
Danbury, St. Gregory The Great School, Teacher - Mrs. Fahey
Gianna Fanelli, Danbury 7 Sofia Suarez Danbury 7
Awards: Honors = 2
- 4013 PT The Enermill
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Laurella Marin, Woodbridge 8 Rhea Dey Woodbridge 8
Awards: Honors = 2
- Alternative/Renewable Energy Awards --- 3rd Place Middle School - \$100 Cash and Trophy
- 4014 PT How Does Temperature Affect the Re-crystallization Process?
Bridgeport, Blackham School, Teacher - Patricia Wrenn
Dianna Bustillo, Bridgeport 7 Alexa Reyes Bridgeport 7
Awards: Honors = 2
- 4015 PT Magnetic Pull; Hot VS Cold
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Jason Lampo, New Haven 8 Declan McGinley Milford 8
Awards: Honors = 3

AWARDS

- 4016 PT The Assister Bot
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Kayla Morgan, Woodbridge 8 Georgia Dalakas Woodbridge 8
Awards: Honors = 2
- 4017 PT Leaf Chromatography
Newington, John Wallace Middle School, Teacher - Shirley Blustein
Hannah Siegel, Newington 8 Emilio Cruz Newington 8 Evan Lopes Newington 8
Awards: Honors = 3
- 4018 PT Does Your Age Affect Your Reflexes
Manchester, St. James School, Teacher - Mrs. Plante
Nathan Kincheloe, Manchester 7 Anna DeLaura Manchester 7
Awards: Honors = 2
• J.A. Augustine Award --- \$100 for excellence in physical sciences
- 4019 PT Bridge Design
Plantsville, J.F. Kennedy Middle School, Teacher - Mrs. Pepin
Mischelle Beerbaum, Southington 8 Kiara Hourigan Southington 8
Awards: Honors = 2
- 4020 PT Desalinating Seawater for Various Survival Uses
North Haven, North Haven Middle School, Teacher - Mrs. McElrath
Sydney Rastkhane, North Haven 8 Gabrielle Weaver North Haven 8 Tinisha Narain North Haven 7
Awards: Honors = 2
- 4021 PT What shapes your Chute?
Windsor, St. Gabriel School, Teacher - Mrs. Rosa
Kennedy Tor, Windsor 8 Sean Glick Windsor 8
Awards: Honors = 1
• Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
• American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate
- 4022 PT Is Sharpie Extreme Really Permanent?
Meriden, ACES Thomas Edison Middle School, Teacher - Todd Solli
Brianna Oliveras, Meriden 7 Mikaela Mitchell Meriden 7
Awards: Honors = 3
- 4023 PT How does the angle of a solar panel effect the electricity absorbed?
North Haven, North Haven Middle School, Teacher - Susan Jasinski
Laekhram Singh, North Haven 8 Brijesh Vyas North Haven 8
Awards: Honors = 1
• Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- 4024 PT Dancing Oobleck
Manchester, St. James School, Teacher - Mrs.Plante
Maeve Williams, Manchester 7 Izabella Ray Manchester 7
Awards: Honors = 2
- 4025 PT Blown Away
Greenwich, Greenwich Catholic School, Teacher - Mrs. Carol Ann Lutz
Daniel Mabas, Greenwich 8 Andrew Lencyk Stamford 8
Awards: Honors = 3

- 4026 PT The Note Glove
Canton, Canton Middle School, Teacher - Mr. Riley
Gabriel Mower, Canton 8 Adam Obrzut Canton 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
 - Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award
 - Connecticut Academy of Audiology --- \$150 Cash Award Middle School- For Excellence in Audiology and Acoustics
- 4027 PT Catch Me If You Can
Greenwich, Greenwich Catholic School, Teacher - Mrs. Lutz
Dylan Allman, Stamford 8 Harrison Day Stamford 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Science sJr Team - CSF Medallion & Acrylic Award
- 4028 PT Investigating novel methods of generating electricity by using a Fibonacci wind-turbine with piezoelectric generators versus a regular wind-turbine with piezoelectric-generators
Windsor, Madina Academy, Teacher - Muhammad Abubakar
Ibrahim Moghul, Bloomfield 8 Yaman Zoghol Enfield 7 Ahmad Mohammed Windsor 7
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
- 4029 PT Litter Bot
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Tracy Lu, Woodbridge 8 Nicole Cohen Woodbridge 8
Awards: Honors = 2
- Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Physical Sciences - Medallion and Acrylic Award
- 4031 PT Talking vs Texting
Bridgeport, Park City Prep Charter School, Teacher - Vasiliki Boudreau
Gloryann De Jesus, Bridgeport 7 Brianna Ozoria Bridgeport 7 Angoline Rivera Bridgeport 7
Awards: Honors = 2
- American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project
- 4032 PT Chef Bots
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Andrew Gagliardi, Woodbridge 8 Jack Tajmajer Bethany 8
Awards: Honors = 2
- 4033 PT Glowing Minerals
Manchester, St. James School, Teacher - Mrs.Plante
Colleen Truman, Manchester 7 Alice Tyszka Manchester 7
Awards: Honors = 3
- 4034 PT Are Southington Ponds Safe? Or not Safe?
Southington, J.A. DePaolo Middle School, Teacher - Ms.Shea
Brianna Pearson, Southington 7 Morgan Perschy Southington 7
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Schoepfer Award for Excellence in Local Aquatic Science --- For excellence in a local water quality study, \$100 cash
- 4035 PT A Salty Solution for Clean Energy
Orange, Amity Reg Middle School, Orange Campus, Teacher - Mr. Dahn/ Foley
Baasim Zafar, Orange 8 Raymond Lu Orange 8
Awards: Honors = 2

AWARDS

- 4037 PT Nitrates and pH and Rain, Oh My!
Hamden, Hamden Middle School, Teacher - Danny Martins
Paige Campbell, Hamden 8 Katherine Bergherr-Hall Hamden 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Jr Team - CSF Medallion & Acrylic Award
 - Association for Women Geoscientists --- Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition
- 4038 PT Hitting the Slopes
Meriden, ACES Thomas Edison Middle School, Teacher - Kim Martino
Adriana Aponte, Meriden 7 Majda Adnane Meriden 7
Awards: Honors = 3
- 4039 PT BullyCheck - Designing Anti-Bullying Software
Branford, CT Experiential Learning Center (CELC), Teacher - Melinda Alcossar
Sue Hemingway, Branford 8 Sophie Burdick Deep River 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences MS Team- \$100 each & trophy, invite to compete Broadcom MASTERS
 - Barnes Aerospace Applied Technology Awards --- 1st Place Middle School - \$300 and Trophy, Medallion
 - The Karen J. Howell Middle School Award for "Learning and Serving" --- The Karen J. Howell Middle School Award for "Learning and Serving" - \$1000 Physical Science
- 4040 PT Kings of Slings: The Effect of Sling Length on a Trebuchet
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Shayne Simmons, Danbury 8 Diego Echavarria New Milford 8
Awards: Honors = 3
- 5001 P7 The Effect of Various Solutions on Shells
Newtown, St. Rose of Lima School, Teacher - Mrs. Dimon
Kathleen Tokar, Monroe 7
Awards: Honors = 3
- 5002 P7 Does Distance From a Nuclear Power Plant Affect Plant Growth?
New Haven, Engineering Science University Magnet School, Teacher - Mr. Rushworth
Eva Heaphy, New Haven 7
Awards: Honors = 2
- Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Physical Sciences - Medallion and Acrylic Award
 - Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSEF
 - Meyerand Young Woman Scientist Awards --- \$300 cash - Middle School, Physical Sciences
- 5003 P7 Temperature of Different Color Clothing
Pawcatuck, St. Michael School, Teacher - Michael DeNoia
Jaden Kutz, Stonington 7
Awards: Honors = 3
- 5004 P7 Efficient Low Energy Salt Water Desalination
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Elias Haddad, Danbury 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
 - Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
 - MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, middle school, \$100 cash award
 - Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"

- 5005 P7 Natural Plastic
Hartford, Sport and Medical Sciences Academy, Teacher - Marianne Vitali
Madison Lee, Rocky Hill 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences 7th Grade Individual - trophy
 - Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- MS Phys. Sciences- \$300 / plaque
 - CASE Urban School Challenge Awards with Travelers --- 4th Place Middle School - Trophy, Medallion
 - Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
 - UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 - Alexion Biotechnology Awards --- 3rd Place- Biotechnology 7th grade- \$100 & trophy
 - ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSEF
 - Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre
 - Stanley Lessoff Award for Excellence In Analytical Technique --- \$100 Cash and Plaque
 - Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project
 - Connecticut Invention Convention “Next Step Inventors” --- \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”
- 5006 P7 Make the Wind Work for You
Cheshire, St. Bridget School, Teacher - Michelle Carroll
Walker Luoma-Blagys, Cheshire 7
Awards: Honors = 2
- 5007 P7 THE EFFECT OF REFLECTIVE LIGHT ON SOLAR ENERGY PRODUCTION
Newtown, St. Rose of Lima School, Teacher - Mrs. Marde Dimon
Peyton McKenzie, Newtown 7
Awards: Honors = 2
- Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
- 5008 P7 Battle of the Loops
Southington, J.A. DePaolo Middle School, Teacher - Ms. Shea
Faith Kosior, Southington 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences 7th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
 - People’s United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Arcylic Award
 - Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Junior Physics & teeshirt
 - Dreams Unlimited Award --- \$100 Cash Award + Certificate
- 5009 P7 How Does Angle and Distance Affect Splatter?
Danbury, Westside Middle School Academy, Teacher - Jonathan Neuhausel
Connor Barrigas, Danbury 7
Awards: Honors = 2
- 5011 P7 How Running Shoe Design Affects Runners
Branford, CT Experiential Learning Center (CELC), Teacher - Melinda Alcosser
Ronnie Scarpa, Killingworth 7
Awards: Honors = 3
- 5012 P7 Acing the Wing
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Alexandra Northrup, New Haven 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
 - U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate
- 5013 P7 Strength of Bridges: Which bridge will deflect the least?
Bethel, St. Mary School, Teacher - Kate McDonald
Anna Meehan, Bethel 7
Awards: Honors = 2

AWARDS

- 5014 P7 Ice, Ice, Baby
Bridgeport, Discovery Interdistrict Magnet School, Teacher - Mrs. Walsh
Dominic Paul Gomes, Stratford 7
Awards: Honors = 3
- 5015 P7 Pounds Per Square Inch (PSI) of a Basketball
Manchester, St. Bridget School, Teacher - Mrs. Maysonet
Matthew Prior, Coventry 7
Awards: Honors = 2
- 5016 P7 Corked?
Hartford, Environmental Sciences Magnet at Mary Hooker, Teacher - Mr Clark
Kevin Braunwart, Hebron 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
 - CASE Urban School Challenge Awards with Travelers --- 3rd Place Middle School - \$100 and Trophy, Medallion
 - Fred Bailey Memorial Award --- \$250 for innovative research- Hartford Urban Middle School Project
- 5017 P7 Hot Plop Fizz. Hotter Plop fizz. Hottest Plop Fizz
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Catalina Homann, New Haven 7
Awards: Honors = 3
- CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
- 5018 P7 The Effect of Bridge Design on Weight Bearing Capacity
Shelton, St. Joseph School, Teacher - Mr. Kieran Hyland
Adam Zaleski, Shelton 7
Awards: Honors = 3
- 5019 P7 How Does Height Affect Structure Stability?
Meriden, ACES Thomas Edison Middle School, Teacher - Todd Solli
Kaya Cook, Middletown 7
Awards: Honors = 2
- Barker Mohandas Awards for Transportation Research --- \$100 Cash & Plaque for Excellence in Transportation Related Research- Middle School
- 5020 P7 Natural Water Filters
Weston, Weston Middle School, Teacher - David Rosvally
Jade Dayton, Weston 7
Awards: Honors = 2
- American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF
- 5022 P7 Stretchy Science
Danbury, St. Gregory the Great School, Teacher - Mrs. Fahey
Olivia Halas, Danbury 7
Awards: Honors = 3
- 5023 P7 Building a Battery
Wilton, Middlebrook Middle School, Teacher - Paige Randall
Nina Ferrucci, Wilton 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
 - IEEE, Connecticut Section --- \$100 Honorable Mention
- 5024 P7 How does the shape of the blade affect the Voltage?
Meriden, ACES Thomas Edison Middle School, Teacher - Mrs. Creem
Elyssa West, Meriden 7
Awards: Honors = 2

- 5025 P7 Wind Power
 Milford, St. Gabriel School, Teacher - Mr. John Campbell
 Jacob Fleischer, Milford 7
 Awards: Honors = 2
 • NASA EARTH System Science Award --- Certificate and \$50 gift card given by CSEF
- 5026 P7 Hydropower Tiles: A Novel Approach to Harvesting Energy from Human Locomotion
 Hebron, Oei - Homeschool, Teacher - Ellen McHugh
 John Oei, Hebron 7
 Awards: Honors = 1
 • Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
 • Alternative/Renewable Energy Awards --- 2nd Place Middle School - \$200 Cash and Trophy
 • Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
 • UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
 • Unilever Trumbull R&D --- Shadow Day at Unilever Trumbull R&D Centre
 • IEEE, Connecticut Section --- \$250 Honors Award -Junior
 • Society of Women Engineers - Hartford Section --- Scientific Calculator
 • Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"
 • Bob Harris Fix It Award --- \$75 and Certificate for ingenuity in using material and tools
- 5027 P7 BioFuels
 Bethel, St. Mary School, Teacher - Kate McDonald
 Zachary LaCava, Bethel 7
 Awards: Honors = 3
- 5028 P7 Renewable Energy
 Meriden, ACES Thomas Edison Middle School, Teacher - Frances Creem
 Noah Anderson, Middletown 7
 Awards: Honors = 2
- 5029 P7 MAKING CHEESE AT HOME, AS EASY AS 1-2-3?
 New Haven, St. Aedan- St. Brendan School, Teacher - Michael Celentano
 Amanda Simpson, New Haven 7
 Awards: Honors = 2
- 5030 P7 Propensity of Density
 Windsor, St. Gabriel School, Teacher - Ms. Rosa
 Jessica Akin, Windsor 7
 Awards: Honors = 2
- 5031 P7 Is the anti-gas drug simethicone effective in getting rid of trapped gas
 Hartford, Kennelly School, Teacher - Ms. Bonet
 Angelica Jiminian, Hartford 7
 Awards: Honors = 2
- 5032 P7 How Does Rainfall Affect Erosion?
 New Haven, Engineering Science University Magnet School, Teacher - Roger Rushworth
 Rachna Vipparla, Milford 7
 Awards: Honors = 3
- 5033 P7 How Do Surfaces Affect the Speed of a Car?
 Newington, St. Mary School, Teacher - Ms. Mendal
 Patrick Smith, New Britain 7
 Awards: Honors = 2
- 5034 P7 Do plants grow faster with sugar water?
 Stamford, Bi-Cultural Day School, Teacher - Chris Graseck
 Lilah Steinberg, Stamford 7
 Awards: Honors = 2

AWARDS

- 5035 P7 Effect of Nozzle Size for Compressed Air Water Rockets
Danbury, Westside Middle School Academy, Teacher - Jonathan Neuhausel
Gryffin Syme, Danbury 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place- Physical Sciences 7th Grade Ind. - \$100 & trophy, invite to compete Broadcom MASTERS
 - American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate
 - Astronomical Society of Greater Hartford --- Junior Project-\$100, subscription to Sky and Telescope magazine and ASGH meeting invitation
- 5036 P7 Water, Water Everywhere, But Not A Drop To Drink
Bridgeport, Park City Prep Charter School, Teacher - Mr. Jaekle
Antonios Boudreau, Ansonia 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 4th Place- Physical Sciences 7th Grade Ind. - trophy, invite to compete Broadcom MASTERS
 - Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 5037 P7 Productive Oil Spill Surface-Cleaning Method
Branford, CT Experiential Learning Center (CELC), Teacher - Melinda Alcosser
Christopher Meeks, Guilford 7
Awards: Honors = 3
- 5038 P7 Which brand of popcorn has the least amount of un-popped kernel after you pop it?
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Sydney McIntosh, Naugatuck 7
Awards: Honors = 3
- 5039 P7 Induced Magnetism - Applying Lenz's Law
Groton, Sacred Heart School, Teacher - Merrijo Logan
Michael Luzzio, Groton 7
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 7th Grade - CSF Medallion & Acrylic Award
- 5040 P7 Nuttin But a Calorie
Bethel, St. Mary School, Teacher - Mrs. Kate McDonald
Grace Garvey, Bethel 7
Awards: Honors = 2
- 5041 P7 The Filament Factor
Plantsville, J.F. Kennedy Middle School, Teacher - Mrs. Pepin
Walter Goodenough, Southington 7
Awards: Honors = 3
- 5501 P8 What Substance Melts Ice The Fastest?
Manchester, St. Bridget School, Teacher - mrs. maysonet
Myia Chappell, east hartford 8
Awards: Honors = 2
- 5502 P8 Graffiti Removal
Bridgeport, Winthrop School, Teacher - Gregory Walsh
Elizabeth Terry, Bridgeport 8
Awards: Honors = 3
- 5503 P8 Tracking storage capacity on media discs
Meriden, ACES Thomas Edison Middle School, Teacher - Susan Dalo
Kaitlyn Newman, Middletown 8
Awards: Honors = 3
- People's United Bank Mathematics Awards - with ATOMIC --- Middle School Finalist - Medallion & Acrylic Award

- 5504 P8 Non-Newtonian Fluid Headgear to Prevent or Reduce Concussions
Orange, Amity Reg Middle School, Orange Campus, Teacher - Mr. Foley/Dahn
Henry Westgard, Orange 8
Awards: Honors = 2
- Barnes Aerospace Applied Technology Awards --- Middle School Finalist - Medallion and acrylic award
 - Alexion Biotechnology Awards --- 3rd Place- Biotechnology 8th grade- \$200 & trophy and Invitation Compete in Broadcom MASTERS
 - American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project
- 5505 P8 De-icing: Identification of materials with the capability to lessen the impact of ice formation on roadways
Greens Farms, Greens Farms Academy, Teacher - Sara Campoletano
Ethan Lior, Fairfield 8
Awards: Honors = 3
- 5506 P8 Spherification
Bozrah, Fields Memorial School, Teacher - Mrs. E Brown
Sophia DiCocco, Bozrah 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 4th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS
- 5507 P8 What Color Light Shines Brightest Through Fog?
New Haven, Worthington Hooker School, Teacher - Douglas Jones
Ana Padilla, New Haven 8
Awards: Honors = 3
- 5508 P8 Cat Bot
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Max Boynton, Bethany 8
Awards: Honors = 3
- 5509 P8 Different Quantities of Blades Used for Producing the Most Power
Danbury, St. Joseph School, Teacher - Jennifer Reilly
Sean Guiry, Danbury 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
- 5510 P8 Water Wizard: Incorporating the Simplicity of Water Testing Strips with the Complexity and Sophistication of a Smartphone Application While Utilizing Mathematics
Bethel, St. Mary School, Teacher - Mrs. Kate McDonald
Kevin Legnard, Bethel 8
Awards: Honors = 3
- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a Middle School student, \$100 cash
- 5511 P8 What type of cup keeps coffee the hottest the longest?
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Mary Sirois, Meriden 8
Awards: Honors = 2
- 5512 P8 Does Increasing Bass Frequencies on a Loudspeaker Also Increase Its Overall Output?
Newington, St. Mary School, Teacher - Zoe Mendal
Samuel Baker, New Britain 8
Awards: Honors = 3
- 5514 P8 Wire Recording
Milford, St. Gabriel School, Teacher - Mr. Campbell
Ethan Wicko, Milford 8
Awards: Honors = 2

AWARDS

- 5515 P8 Can't Stand the Heat?
Southington, J.A. DePaolo Middle School, Teacher - Ms. Ekegren
Chris Chaplinsky, Southington 8
Awards: Honors = 2
- 5516 P8 Coastal Engineering
Meriden, ACES Thomas Edison Middle School, Teacher - Caitlin Lombardi
Ke-Aira Spells, Meriden 8
Awards: Honors = 2
- 5517 P8 Melting Ice with Sand and Salt
Groton, Sacred Heart School, Teacher - Mrs. Merrijo Logan
Breanna Hoth, Gales Ferry 8
Awards: Honors = 3
- 5518 P8 Producing Renewable Energy Using Piezoelectric Walking Surfaces
Bozrah, Fields Memorial School, Teacher - Evelyn Brown
Dravyn Okoney, Bozrah 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences 8th Grade Ind.- \$300 & trophy, invite to compete Broadcom MASTERS
 - Alternative/Renewable Energy Awards --- 1st Place Middle School - \$300 Cash and Trophy
 - Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
 - UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
 - Connecticut Science Teachers Association's Marty Tafel Student Research Award --- Physical Sciences 8th Grade - \$500 and invite to CSTA Award Banquet
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- Middle School- Certificate, \$50 gift card to Amazon given by CSEF
 - Ricoh Americans Corporation --- Certificate, \$50 gift card to Amazon given by CSEF
 - Constellation, an Exelon Company --- 2nd: \$75.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
 - Connecticut Association for the Gifted --- Leonardo Davinci 7-8 Grade \$50 Gift Certificate
 - Spirit of Invention Award --- \$100 Cash and Plaque for Inventive Concepts
- 5519 P8 The effect of menu labeling with calories on food selection and consumption
Groton, Sacred Heart School, Teacher - Mrs. Logan
Isabella McClure, Mystic 8
Awards: Honors = 3
- 5520 P8 Fast Food... Or is it Slow??
Bridgeport, Park City Prep Charter School, Teacher - Vasiliki Boudreau
Tasia Courts, Bridgeport 8
Awards: Honors = 3
- 5521 P8 Electrons...A Pet's Best Friend
Danbury, St. Gregory the Great School, Teacher - Christine Fahey
Elizabeth Flaherty, New Fairfield 8
Awards: Honors = 2
- Henderson Award --- Certificate and \$50 Amazon Gift Card given by CSF
- 5522 P8 How Bridge Design Impacts Weight Bearing Capacity
Southington, J.A. DePaolo Middle School, Teacher - Mr. Garry
Bryce Fournier, Southington 8
Awards: Honors = 3
- 5523 P8 Investigate the Use of Mesoporous Insulations to Increase Survival Duration In Extreme Cold
Bozrah, Fields Memorial School, Teacher - Evelyn Brown
Brendan Toth, Bozrah 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award

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- 5524 P8 Electrolytes and Health
Groton, Sacred Heart School, Teacher - Merrijo Logan
Alexander Warmus, Ledyard 8
Awards: Honors = 2
- 5525 P8 Which Sail Can Make A Boat Move Faster?
Bridgeport, Thomas Hooker School, Teacher - Mr. Roman
Annabella Simon, Bridgeport 8
Awards: Honors = 3
- 5526 P8 Li-Fi: How bright should LEDs be to accurately transmit data?
Glastonbury, Smith Middle School, Teacher - Mary Coburn
Arjun Ahilan, Glastonbury 8
Awards: Honors = 2
- Xerox Computer Science Awards --- Middle School Finalist - Medallion, Acrylic Award
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 - Society of Women Engineers - Hartford Section --- Scientific Calculator
- 5527 P8 Designing a Cost-Efficient Energy Solution Utilizing Solar and Wind Energy for Small Scale Use
Orange, Amity Reg Middle School, Orange Campus, Teacher - Mr. Dahn/Foley
Shahood Khan, Orange 8
Awards: Honors = 2
- American Meteorological Society --- Certificate & \$50 Amazon gift card given by CSEF
- 5528 P8 Investigation of surface areas on Solar Panels
Southington, J.A. DePaolo Middle School, Teacher - Lindsay Ekegren
Daniel Yu, Southington 8
Awards: Honors = 3
- 5529 P8 Light Propagation
Trumbull, Christian Heritage School, Teacher - Mrs. Oshin
Anda Liang, Trumbull 8
Awards: Honors = 3
- 5530 P8 Harvesting Wind From Street Canyons Using A Double Helix Wind Turbine
Danbury, Westside Middle School Academy, Teacher - Mr. Neuhausel
Jeffrey Osborne, Danbury 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences 8th Grade Ind. - \$200 & trophy, invite to compete Broadcom MASTERS
 - CASE Urban School Challenge Awards with Travelers --- 2nd Place Middle School - \$200 and Trophy, Medallion
 - Sustainable Resources and Practices Awards --- 3rd Place Middle School - \$200 Cash and Trophy
 - Urban School Challenge 1st Place Middle School Awards --- Highest Placing 8th grader- GENIUS-Olympiad- \$500 travel stipend
 - Connecticut Invention Convention “Next Step Inventors” --- \$50 gift certificate & invitation to present at CT Invention Convention as “CIC Next Step Inventors”
- 5531 P8 Using Solar Engine Circuits to Power Electrical Devices
Bozrah, Fields Memorial School, Teacher - Evelyn Brown
Victoria Smith, Bozrah 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
 - Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Physical Sciences - Medallion and Acrylic Award
 - Society of Women Engineers - Hartford Section --- Scientific Calculator
- 5532 P8 Wind Turbine Efficiency
Bethel, St. Mary School, Teacher - Mrs. Kate McDonald
David Kallberg, Bethel 8
Awards: Honors = 2
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AWARDS

- 5533 P8 Electrolytes: Which Sport Drinks Helps the Body Recover the Most After An Endurance Workout?
Danbury, St. Joseph School, Teacher - Mrs. Jennifer Reilly
Brigid Gage, Danbury 8
Awards: Honors = 2
• Demos R Us Award --- \$150 Cash Award- Clear Execution of Research
- 5534 P8 Construct and build a working turntable.
Newtown, St. Rose of Lima School, Teacher - Mrs. Dimon
Marianella Salinas, Newtown 8
Awards: Honors = 3
• Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist- Physical Sciences - Medallion and Acrylic Award
- 5535 P8 Integrity of Structural Members Based on Shape
Orange, Amity Reg Middle School, Orange Campus, Teacher - Thomas Foley/William Dahn
Yohav Vinnikov, Orange 8
Awards: Honors = 2
- 5536 P8 Measuring the strength of selected origami structures in order to build useful configurations like furniture
Hamden, Hamden Middle School, Teacher - Mr. Sgrigneri
Jenna Estacion, Hamden 8
Awards: Honors = 2
- 5537 P8 Which soda erodes tooth enamel faster?
Trumbull, Christian Heritage School, Teacher - Modupe Oshin
Emily Struzik, Trumbull 8
Awards: Honors = 3
- 5538 P8 The Effect Temperature Has on UV Beads
Milford, St. Gabriel School, Teacher - Mr. John Campbell
Gabriel Quinn, Ansonia 8
Awards: Honors = 3
- 5539 P8 Snap!
Norwalk, Roton Middle School, Teacher - Mr. John Skopp
Cooper Grillo, Norwalk 8
Awards: Honors = 2
- 5540 P8 Need To Charge Your Cell Phone? Leave It To The Wind
Hamden, Hamden Middle School, Teacher - Danny Martins
Quintin Ioime, Hamden 8
Awards: Honors = 2
- 5541 P8 The Eco-Charge
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Sophia Wang, Woodbridge 8
Awards: Honors = 1
• Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
• Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- MS Phys. Sciences- \$150 / plaque
• Association for Women Geoscientists --- Certificate & \$50 gift card to Amazon given by CSEF
- 5542 P8 Do Colored Candles Burn Faster or Slower Than White Candles?
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Emily Cruz, Meriden 8
Awards: Honors = 3
- 5543 P8 All About Drums
Hartford, Kennelly School, Teacher - Ms. Bonet
Chris Espinal, Hartford 8
Awards: Honors = 3

- 5544 P8 Does the pH Level in Soil Affect the Amount of Electricity it Conducts?
Bridgeport, Read School, Teacher - Mr. Adebawale
Alexia Andrade, Bridgeport 8
Awards: Honors = 2
- 5545 P8 Polyurethane Foam as Acoustic Insulation for uses in Aviation Technology
New Haven, Engineering Science University Magnet School, Teacher - Roger Rushworth
Arya Bairat, Milford 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences 8th Grade Ind. - trophy, invite to compete Broadcom MASTERS
 - U.S. Air Force --- Laptop backpack, ear buds, 1 GB flash drive, 4 Port USB hub, certificate
 - Connecticut Academy of Audiology --- \$150 Cash Award Middle School- For Excellence in Audiology and Acoustics
- 5546 P8 Tremor Resistant Writing Tools: Calligraphy for the Disabled
North Haven, North Haven Middle School, Teacher - Susan Jasinski
Isabella Morizio, North Haven 8
Awards: Honors = 2
- 5547 P8 What Generates More Electricity?
Cheshire, St. Bridget School, Teacher - Mrs. Michelle Carroll
Vishesh Kumar, Cheshire 8
Awards: Honors = 2
- 5548 P8 Mirrors Mirrors Reflecting On the Wall
New London, St. Joseph School, Teacher - Amanda Lakowsky
Victoria Hannaford, New London 8
Awards: Honors = 3
- 5549 P8 Power From Potatoes
Groton, Sacred Heart School, Teacher - Mrs. Merrijo Logan
Mark Smith, New London 8
Awards: Honors = 3
- 5550 P8 Sustainable Wireless Powered House
West Hartford, St. Timothy Middle School, Teacher - Mrs. Christina Simao-Breen
Steven Liu, West Hartford 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
 - Alternative/Renewable Energy Awards --- Middle School Finalist - Medallion, Acrylic Award
 - Sustainable Resources and Practices Awards --- Middle School Finalist - Medallion and Acrylic Trophy
 - Constellation, an Exelon Company --- 1st: \$125.00 Cash - Grade 7 - 8: For Excellence in clean renewable / sustainable energy
- 5551 P8 Mirror Mirror: How does a Kaleidoscope Work?
Southington, Southington Catholic School, Teacher - Mrs. Pauline Pelczar
Kelsi Blatchley, Southington 8
Awards: Honors = 3
- 5552 P8 Is it Eco-Friendly?
New Haven, Engineering Science University Magnet School, Teacher - Roger Rushworth
James Rodrigues, Milford 8
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- MS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 5553 P8 Drop Test
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Aidan Lewoc, Meriden 8
Awards: Honors = 3

AWARDS

- 5554 P8 Which Material Melts Snow the Quickest
Orange, Amity Reg Middle School, Orange Campus, Teacher - Mr. Dahn/Foley
Cooper Blanchette, Orange 8
Awards: Honors = 3
- 5555 P8 Propeller Power
Hamden, Hamden Middle School, Teacher - Danny Martins
Lizabeth Bamgboye, Hamden 8
Awards: Honors = 2
- 5556 P8 Building Fire-Resistant Homes
Wilton, Middlebrook Middle School, Teacher - Mrs. Jessica Garcia
Vignesh Subramanian, Wilton 8
Awards: Honors = 2
• American Society of Safety Engineers, CT Valley Chapter --- \$100 grade 7-8 project
- 5557 P8 Saltifying Shock
Bridgeport, Park City Prep Charter School, Teacher - Jonathan Jaekle
Willow Marks, Bridgeport 8
Awards: Honors = 3
• CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
- 5558 P8 Cleaning up Oil Spills - What Material is the Most Absorbent?
Danbury, St. Joseph School, Teacher - Mrs. Reilly
Olivia Casino, Brewster 8
Awards: Honors = 2
- 5559 P8 Keeping It Cool!
Bridgeport, Multicultural Magnet School, Teacher - Corina Ciuffea
Norelisa Nascimento, Bridgeport 8
Awards: Honors = 2
- 5560 P8 Rainbow Fire
Southington, Southington Catholic School, Teacher - Pauline Pelczar
Emma Sage Kief, Plantsville 8
Awards: Honors = 3
- 5561 P8 The effect that different ingredient ratios have on the mechanical strength of bioplastics.
Danbury, Westside Middle School Academy, Teacher - Jonathon Neuhausel
Sanjana Shriram, Danbury 8
Awards: Honors = 1
• Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences 8th Grade - CSF Medallion & Acrylic Award
• Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- MS Phys. Sciences- \$200 / plaque
• CASE Urban School Challenge Awards with Travelers --- Middle School Finalist - Medallion and acrylic award
• ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSEF
• Air and Waste Management Association, Connecticut Chapter --- \$100 Junior, Environmental Research, waste recycling related
- 5563 P8 Green alternatives for pesticides
Orange, Amity Reg Middle School, Orange Campus, Teacher - Foley / Dahn
Jody Liu, Orange 8
Awards: Honors = 2
- 5564 P8 Freezing Hot and Cold Water
Meriden, St. Joseph School, Teacher - Mrs. Sniffin
Emily Esposito, Meriden 8
Awards: Honors = 3
- 5565 P8 Paws to consider
Stratford, St. Mark School, Teacher - Agnes Miller
Anna Nemergut, Stratford 8
Awards: Honors = 2

- 5566 P8 Fuel UpThe Electrolyte Challenge
West Hartford, St. Timothy Middle School, Teacher - Mrs, Breen
Matthew Walker, West Hartford 8
Awards: Honors = 3
- 5567 P8 The Hand-Writer Helper
Bethany, Amity Reg Middle School, Bethany Campus, Teacher - Mr. Berean
Michael Baitch, Woodbridge 8
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place- Physical Sciences 8th Grade Ind, - \$100 & trophy, invite to compete Broadcom MASTERS
 - Barnes Aerospace Applied Technology Awards --- 2nd Place Middle School - \$200 and Trophy, Medallion
 - Talcott Mountain Science Center --- Founder's Award - \$450 Saturday Mentorship Course at TMSC - Middle School Phys Science
 - Lunch with a Patent Attorney --- Lunch with a Patent Attorney
 - Jon Stone Memorial Award --- \$150 cash for Innovative Engineering
 - Connecticut Invention Convention "Next Step Inventors" --- \$50 gift certificate & invitation to present at CT Invention Convention as "CIC Next Step Inventors"
 - John S. Kendall Memorial Awards --- \$300 John S. Kendall Award for Excellence In Mechanical Engineering - Middle School
- 5568 P8 Testing to Improve the Performance of a Magnetic Linear Accelerator
Manchester, St. Bridget School, Teacher - Mrs. Maysonet
Ashleigh Purcell, Manchester 8
Awards: Honors = 2
- 5569 P8 Calibrating the agility of light with a microwave oven.
New Haven, St. Aedan- St. Brendan School, Teacher - Michael Celentano
Rehab Senanu, New Haven 8
Awards: Honors = 3
- 5570 P8 Electromagnet Electricity
Meriden, ACES Thomas Edison Middle School, Teacher - Caitlin Lombardi
JH Naeem, Meriden 8
Awards: Honors = 2
- 6001 PS Efficient green energy: The design, fabrication and testing of a Helio-tracker sunflower style power generator for enhancing the efficiency of solar power generation
Trumbull, Christian Heritage School, Teacher - Daniel Cote
Chengwen Hu, Madison 11
Awards: Honors = 2
- Coherent, Inc. Richard Hart Award for Excellence in Photonics --- \$300 cash, plaque, invitation to lunch and tour Coherent factory
- 6002 PS Rhodamine 6G Dye Laser
Canton, Canton High School, Teacher - Stephen Riley
John Solomon, Canton 12
Awards: Honors = 2
- Wisner Award --- \$250 cash and plaque
- 6003 PS Star Type's Effect On Planetary Habitability
Danbury, Immaculate High School, Teacher - Mrs. Bridget Henry
Nolan Ames, Danbury 10
Awards: Honors = 3
- 6004 PS Sudoku Algorithm Efficiency
Glastonbury, Glastonbury High School, Teacher - Ms. Diane Pintavalle
Taylore Westbrook, Glastonbury 12
Awards: Honors = 2

AWARDS

- 6005 PS Optimization of the Venturi Effect With Applications in Horizontal-Axis Hydroelectric Turbines in Order to Maximize Power Coefficients
Greens Farms, Greens Farms Academy, Teacher - Dr. Freeman
Simon Stone, Wilton 12
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
- 6006 PS A Novel Approach To Help Households Use Less Water
Bristol, St. Paul Catholic High School, Teacher - Mr Aliberti
Kamila Krawczuk, New Britain 10
Awards: Honors = 2
- Xerox Computer Science Awards --- Senior High Finalist - Medallion, Acrylic Award
 - Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
 - Ct Architecture Foundation Award Name: The William M. Mack, AIA Award --- \$250 Gift Certificate to Barnes and Noble from the Connecticut Architecture Foundation, William M. Mack, AIA Award.
 - ISA - International Society for Automation - Ct. Valley Section --- 2nd - \$75 award
 - CSF Board of Directors Award --- certificate and \$50 Amazon gift card given by CSF
 - The Connecticut Technology Council Young Woman Innovation Award --- \$150 Cash Award for Technological Innovation
- 6007 PS The Synthesis of Silica X-Aerogels Through the Subcritical Process
Sandy Hook, Newtown High School, Teacher - Tim DeJulio
William LeMay, Newtown 11
Awards: Honors = 2
- 6008 PS Observing the Deposition Process of Synthesized of Graphene Oxide and Iron Oxide to Establish a Stable Magnetic Field
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Stephanie Kreitler, Shelton 12
Awards: Honors = 2
- Petit Family Foundation Women in Science & Engineering Awards --- High School Finalist- Physical Sciences - Medallion and Acrylic Award
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Chemistry
- 6009 PS The Pick Me Up Stander Walker: Designing A Device to Assist with Sit to Stand Transfers and Ambulation
Middlebury, Westover School, Teacher - Ben Hildebrand
Caleigh Waskowicz, Southington 12
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place- Physical Sciences Senior High Individual - \$200 & Plaque
 - Barnes Aerospace Applied Technology Awards --- 2nd Place High School - \$300 and Plaque Medallion
 - UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Engineering: Mechanical
- 6011 PS OptiEye - A Vision for the Future of Eye Care
Hamden, Hamden High School, Teacher - Danny Martins
Akshar Agarwal, Hamden 9
Awards: Honors = 3
- 6012 PS Case of The Blues
Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Marilyn Pearson
Andrew Barbosa, Bridgeport 11
Awards: Honors = 3
- 6013 PS Magnetic Generator
Suffield, Suffield High School, Teacher - Mr. Charkiewicz
Thomas Taggart, West Suffield 10
Awards: Honors = 3

- 6014 PS Succession Variations in Kenyan Scavenger Communities and the Importance of Wildebeest Carcasses
 Redding, CT STEM FAIR, Teacher - Ms. Deborah Day
 Katherine Handler, Woodbridge 11
 Awards: Honors = 2
 • Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 6015 PS Self-Sustaining Biosynthesis of Methane from CO₂ via a Microbial & Electrochemical Hybrid System
 Greenwich, Greenwich High School, Teacher - Andrew Bramante
 Devyn Zaminski, Greenwich 11
 Awards: Honors = 1
 • Connecticut Science & Engineering Fair Physical Sciences Awards --- 4th Place- Physical Sciences Senior High Individual - Plaque
 • Petit Family Foundation Women in Science & Engineering Awards --- 2nd Place- HS Phys. Sciences- \$250 / plaque
 • UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
 • ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
 • Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate
 • Air and Waste Management Association, Connecticut Chapter --- \$100 Senior, Environmental Research, waste recycling related
- 6016 PS Finding the Optimal Conditions for Energy Recovery in an Electric Car
 Westport, Staples High School, Teacher - Karen Thompson
 Samuel Chinitz, Westport 12
 Awards: Honors = 2
- 6018 PS Is Connecticut's Water Quality Connected to its River Bank
 Shelton, Shelton High School, Teacher - Christine McNamara
 Allison Brown, Shelton 12
 Awards: Honors = 2
 • Randy Gibson Award for Earth Science Research --- \$100 cash and plaque
- 6021 PS How Does a Curved Oar Handle Affect a Rowing Stroke?
 Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Paul Bergquist
 Erik Koether, Southport 10
 Awards: Honors = 2
- 6022 PS An Approach to Converting Pollutant CO₂ Emissions into Methanol Fuels to Reduce Environmental Harm from Greenhouse Gases
 New Haven, Engineering Science University Magnet School, Teacher - Mr. Roger Rushworth
 Prastik Mohanraj, Ansonia 9
 Awards: Honors = 1
 • Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 • CASE Urban School Challenge Awards with Travelers --- 3rd Place High School - \$ 300 and Plaque, Medallion
 • Alternative/Renewable Energy Awards --- 3rd Place High School - \$200 Cash and Plaque
 • Environmental/ Energy Award- Urban Public School Award --- \$100 Award for top environmental or alternative energy project from a New Haven public school
- 6024 PS Quantification of Pollutants Produced by Combustion of Synthetic Versus Fossil Fuels
 Trumbull, St. Joseph High School, Teacher - Patrick Pardee
 Kara Cloud, Bridgeport 11
 Awards: Honors = 2
 • Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 6025 PS FIAA: Food Ingredient Allergy Analyzer
 Suffield, Suffield High School, Teacher - Mr. Charkiewicz
 Zachariah Service, Suffield 10
 Awards: Honors = 3

AWARDS

- 6026 PS Novel Application of an Electromagnetic Induction Field to Inhibit Surface Bio-Fouling in the Marine Environment
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Zachary Dillon, Stratford 12
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - ASM Materials Education Foundation --- Certificate & \$50 gift card to Amazon given by CSEF
 - ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
- 6027 PS Examination of Different Wet Scrubber Sorbents in Reducing Acid Rain Production and Removing Solid Pollutants
Hamden, Sacred Heart Academy, Teacher - Dr. Elizabeth Christophy
Laura Mocchiola, Shelton 10
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
 - U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSEF
 - TurnKey Compliance Solutions Environmental Awards --- \$300 Cash Award High School- For excellence in environmental sciences
- 6028 PS Critical Parameters for Investigating Orbital Stability for the Kozai Mechanism
Westport, Staples High School, Teacher - Karen Thompson
Douglas Raigosa, Westport 12
Awards: Honors = 2
- 6029 PS Development of a biochar based, sorption material to regulate nitrogen compounds in aquatic and terrestrial environments.
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Madeline Gill, Fairfield 12
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Stockholm Junior Water Prize --- Certificate, \$50 gift card to Amazon given by CSEF, possible advance to further competition
- 6030 PS Improving Developer Efficiency by Determining the Fastest Scripting Language to Compile and Run
Trumbull, Christian Heritage School, Teacher - Dan Cote
Matthew Wyskiel, Fairfield 11
Awards: Honors = 2
- 6031 PS Improving Standard of Living for Refugees: Use of Recycled Materials to modify internal temperature and dryness, and to provide electricity and water in tented housing
Greenwich, Brunswick School, Teacher - Dana Montanez
Lachlan Rosato, Greenwich 11
Awards: Honors = 2
- The William M. Mack, AIA Award given by Connecticut Architecture Foundation--- \$250 Gift Certificate to Barnes and Noble
- 6032 PS A Programmable LEGO Robot Used To Autonomously Analyze and Efficiently Solve A Rubik's Cube
Shelton, Shelton High School, Teacher - Dr. Rivera
Joseph Niski, Shelton 12
Awards: Honors = 2
- 6033 PS Exoskeleton Apparatus For Osteogenesis Imperfecta
Sandy Hook, Newtown High School, Teacher - Tim DeJulio
Chloe Kasak, Sandy Hook 11
Awards: Honors = 3
- 6034 PS Development of a Zero Net Energy Hydrogen Fuel Cell System for the Purpose of Generating Potable Water
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Danielle Peterson, Stratford 12
Awards: Honors = 2
- Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award

- 6037 PS Optimizing Efficiency of Urban, Track-based Rapid Transit Systems
Greenwich, Brunswick School, Teacher - Dana Montanez
Wesley Peisch, Greenwich 10
Awards: Honors = 2
- People's United Bank Mathematics Awards - with ATOMIC --- 2nd Place High School- \$100 from ATOMIC, Plaque, \$300 from People's United Bank
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 - Barker Mohandas Awards for Transportation Research --- \$200 Cash & Plaque for Excellence in Transportation Related Research- High School
- 6038 PS Exploring conditions for Struvite precipitation and crystal growth.
New Haven, Wilbur Cross High School, Teacher - Caroline Dahm
Maya Geradi, New Haven 10
Awards: Honors = 2
- CASE Urban School Challenge Awards with Travelers --- 1st Place High School - \$500 and Plaque, Medallion and trip to compete at Intel Int. Sci. & Eng. Fair
 - Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Energize CT/eesmarts Future Sustainability Awards --- 1st Place High School - \$800 Cash, Plaque, and Trip to Compete I-SWEEEP, Houston
 - Quinnipiac University Scholarships --- \$20,000, 4 year scholarship (\$5000 per year) to Quinnipiac University for HS Student & \$250 cash
 - H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Urban School Challenge 1st HS- \$1,000, Silver Medal of Excellence, Invite to CASE Annual Mtg & \$500 cash award to School Science Department for equipment/supplies
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Sustainability
 - CSF Board of Directors Award --- certificate and \$50 Amazon gift card given by CSF
- 6039 PS Triboelectric Series and its relation concerning power generation in Triboelectric Nano generators
Bridgeport, Bridgeport Regional Aquaculture Center, Teacher - Kirk Shadle
Randy Kaufman, Stratford 12
Awards: Honors = 2
- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
 - Alternative/Renewable Energy Awards --- High School Finalist - Medallion
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
- 6040 PS How Has the Safety of Fuel Tanks Increased? The Billion Dollar Question
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Howard Ding, Woodbridge 10
Awards: Honors = 3
- 6042 PS Novel Glycerol-Free Biodiesel Production Using Enzyme Catalysis
Danbury, Immaculate High School, Teacher - Mrs. Bridget Henry
Martha Haddad, Danbury 11
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Individual - \$300 & Plaque, trip to compete at Intel ISEF
 - ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
- 6043 PS Construction of an Agonistic Pneumatic Artificial Muscle Air Conservation System
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Wesley Heim, Cos Cob 10
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - David and Torrey Fenton Awards --- For creative work in the physical sciences- \$250 cash
- 6044 PS Hydrogen, The Futures Fuel.
Bridgeport, Bridgeport Military Academy, Teacher - Mrs. Andrade
Facundo Cremel, Bridgeport 10
Awards: Honors = 2
- Alternative/Renewable Energy Awards --- High School Finalist - Medallion

AWARDS

- 6045 PS Metal Oxide Nanoparticles in Hexane Reactions
Lakeville, The Hotchkiss School, Teacher - Richard Kyung
Byul Sohn, Lakeville 11
Awards: Honors = 2
- 6047 PS Self-regulated LED Dimming System for Reduction of Eyestrain and Energy Consuming
Trumbull, Christian Heritage School, Teacher - Daniel Cote
Xuezheng Wu, Orange 11
Awards: Honors = 2
- Barnes Aerospace Applied Technology Awards --- 3rd Place High School - \$ 200 and Plaque, Medallion
 - IEEE, Connecticut Section --- \$100 Honorable Mention
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Engineering: Electrical
- 6048 PS Fabrication of a Magnetically Vertical-Aligned Boron Nitride Nanotube Membrane in a Lyotropic Precursor for Salinity Gradient Power
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Connor Li, Cos Cob 11
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - U.S. Metric Association --- Certificate & \$50 gift card to Amazon given by CSEF
 - Office of Naval Research- U.S. Navy / U.S. Marine Corps --- High School- Certificate, \$75.00 gift certificate1
- 6049 PS Making Wonderful Pictures
Fairfield, Fairfield College Preparatory School, Teacher - Mrs. Kiel
Haoxiang Zhang, Wilton 10
Awards: Honors = 2
- 6052 PS Application of Computer Vision in Pupil and Eye Center Tracking
Fairfield, Fairfield College Preparatory School, Teacher - Deborah Kiel
Hanson Mo, Fairfield 11
Awards: Honors = 2
- People's United Bank Mathematics Awards - with ATOMIC --- 1st Place High School- \$150 from ATOMIC, Plaque, \$500 from People's United Bank
 - Barnes Aerospace Applied Technology Awards --- 1st Place High School - \$500 and Plaque, Medallion
 - Xerox Computer Science Awards --- 1st Place High School - \$400, Plaque, Medallion
 - Intel Excellence in Computer Science Award --- \$200 & certificate • IEEE, Connecticut Section --- \$250 Sr Honors Award
 - Skills21 at EDUCATION CONNECTION --- \$100 For innovative use of technology to advance science or engineering
 - Zepke Award --- \$200 - For the Best Use of Electronic Circuitry
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Mathematics
 - Maplesoft Awards for Applied Mathematics and Modeling --- Maple software - For Excellence in Mathematics
- 6053 PS A practical method for CO₂ capture by recovering dissolved CO₂ in ocean water.
Madison, Daniel Hand High School, Teacher - Madhuparna Roychoudhury
Ankita Roychoudhury, Madison 11
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
 - Yale Science & Engineering Association, Inc. --- Certificate, \$50 gift card to Amazon given by CSEF
 - University of Connecticut - Physics Department --- UCONN Early College Experience Program: Physical Sciences - Co-Op \$100 Gift Certificat
 - Greenwich Shellfish Commission Marine Ecology Awards --- High School Award for Excellence in Marine Ecology Award- Ocean Camp at Project Oceanology
- 6054 PS Effectiveness of Amino Acid-Functionalized Gold Nanoparticles for Colorimetric Detection of Mercury in Water
Glastonbury, Glastonbury High School, Teacher - Diane Pintavalle
Danielle Cai, Glastonbury 10
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award

- 6055 PS Increased Charge Rate and Capacity for Olivine Lithium-Ion Batteries Using Efficient, Upcycled Nanoscale Electrodes
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Christopher Popham, Old Greenwich 11
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place - Physical Sciences Senior High Individual - \$500 & Plaque, trip to compete at Intel ISEF
 - UTC Aerospace Systems Awards for Excellence in Engineering --- \$1,000 cash and plaque for excellence in engineering
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 - H. Joseph Gerber Medal of Excellence, an award of the Connecticut Academy of Science and Engineering in partnership with CCAT --- Physical Sciences 1st HS \$1,000, Solid Silver Medal of Excellence, invite to CASE Annual Mtg
 - Yale Science & Engineering Association, Inc. --- Certificate, \$50 gift card to Amazon given by CSEF
- 6056 PS Object Detection for Autonomous Drone Navigation
Trumbull, Christian Heritage School, Teacher - Daniel Cote
Hannah Shipman, Trumbull 11
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
 - Skills21 at EDUCATION CONNECTION --- \$100 For innovative use of technology to advance science or engineering
- 6057 PS Water Droplet Repulsion and Reduced Icing Tendencies on Superhydrophobic Surfaces
Greenwich, Greenwich High School, Teacher - Andrew Bramante
Haley Stober, Old Greenwich 10
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - Petit Family Foundation Women in Science & Engineering Awards --- 3rd Place- HS Phys. Sciences- \$150 / plaque
 - ASU Walton Sustainability Solutions Initiatives --- Certificate-Nomination to Compete in 2016 Sustainability Solutions Festival and \$50 Gift Card
- 6058 PS On Analyzing Modern Quantum Computation
Fairfield, Fairfield College Preparatory School, Teacher - Mrs. Kiel
Junlin Mo, Bridgeport 11
Awards: Honors = 3
- People's United Bank Mathematics Awards - with ATOMIC --- 3rd Place High School - Plaque, \$200 from People's United Bank
- 6059 PS The Efficiency of Various Airfoil Designs in a Wind Tunnel
Shelton, Shelton High School, Teacher - Ms. Festini
Siddharth Jain, Shelton 9
Awards: Honors = 2
- ISA - International Society for Automation - Ct. Valley Section --- 3rd - \$50 award
- 6061 PS Determining whether or not the Quicksort is really the quickest
Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Marilyn Pearson
Steven vanZyl, Trumbull 11
Awards: Honors = 2
- People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award
- 6062 PS The Potential of Microbial Fuel Cells
Sandy Hook, Newtown High School, Teacher - Timothy DeJulio
Nathan Augenbraun, Sandy Hook 12
Awards: Honors = 3
- 6064 PS Aggregation of Phospholipid Based Vesicle Using Triblock Polymer
Redding, CT STEM FAIR, Teacher - Deborah Day
Ryan Oleynik, Woodbridge 12
Awards: Honors = 2

AWARDS

- 6065 PS Penny Cleaners
Bridgeport, Warren Harding High School, Teacher - Vidyotma Gupta
Ky Duyen Le, Bridgeport 10
Awards: Honors = 3
- 6066 PS Cell Phone Radiation
Bridgeport, Fairchild Wheeler Interdistrict Magnet, Teacher - Ms. Pearson
Gianna Barada, Stratford 11
Awards: Honors = 3
- 6067 PS Is Oobleck the Key to Solving Beach Erosion?
Hamden, Sacred Heart Academy, Teacher - Mrs. Pam Brownell
Ashley Amarante, Wallingford 10
Awards: Honors = 3
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
 - Connecticut Association for the Gifted --- Leonardo Davinci Award 9-12 Grade \$50 Gift Certificate
- 6068 PS The effect of Osmotic Balance, pH and Detergents have on Biological Membranes
New London, Science and Technology Magnet HS, Teacher - Mr. Mulligan
Emma Hurley, Gales Ferry 10
Awards: Honors = 2
- 6069 PS Electronic Bumper Sticker for Consumer Use
Sandy Hook, Newtown High School, Teacher - Tim DeJulio
Christian Thanasoulis, Newtown 12
Awards: Honors = 3
- 6071 PS Probing Cognitive Abnormalities in Causal Reasoning in OCD
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Jimmy Bi, Woodbridge 11
Awards: Honors = 2
- 6072 PS Preventing Traffic Fatalities With Ultraviolet and Ultrasonic Technology
Wallingford, Choate Rosemary Hall, Teacher - Allison Nishitani
Jonathan Wu, Wilton 9
Awards: Honors = 2
- American Society of Safety Engineers, CT Valley Chapter --- \$150 grade 9-12 project
- 6073 PS Is Corking a Wood Bat a Real Advantage?
New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
Noah Smith, Pawcatuck 10
Awards: Honors = 3
- 6074 PS Novel Use of Carbonic Anhydrase for Sequestration of Soil Respiration
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Grant Worthington, Easton 11
Awards: Honors = 2
- Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 6075 PS The Plant and the Microwave
Bridgeport, Warren Harding High School, Teacher - Lilliam I. Solis
Jais Cordonero, Bridgeport 9
Awards: Honors = 3
- Connecticut Nurserymen's Foundation, Inc. --- \$200 Cash Award & paid registration to the CT Nursery and Landscape Summer Meeting

- 6076 PS A Practical Use of the MFC Partial Air Cathode: Improving Performance by Implementing a New Design for Applications in a Conventional Septic System
Hamden, Sacred Heart Academy, Teacher - Mrs. Pamela Brownell
Elizabeth LoPreiato, Berlin 11
Awards: Honors = 2
 - Alternative/Renewable Energy Awards --- High School Finalist - Medallion
 - Society of Women Engineers - Hartford Section --- Scientific Calculator
- 6077 PS Providing a Design Suggesting the Viability of IHTP Thrusters for Commercial Use
Stamford, Beacon School, Teacher - John Henderson
Thomas Cortellesi, Darien 11
Awards: Honors = 2
 - Alternative/Renewable Energy Awards --- High School Finalist - Medallion
 - Astronomical Society of Greater Hartford --- Senior Project-\$150, subscription to Sky and Telescope magazine and ASGH meeting invitation
- 6078 PS The Fabrication and Characterization of Carbon Nanotubes Using Different Transition Metal Nanoparticles
Redding, CT STEM FAIR, Teacher - Deborah Day
Jacob Silliman, Woodbridge 10
Awards: Honors = 1
 - Connecticut Science & Engineering Fair Physical Sciences Awards --- 5th Place- Physical Sciences Senior High Individual - Plaque
 - American Society for Metals - Hartford Chapter --- \$100 Check
- 6079 PS Differentiation Between Fresh And Used Cooking Oils
Hamden, Hamden High School, Teacher - Danny Martins
Ayush Dalmia, Hamden 11
Awards: Honors = 2
- 6080 PS The Effect of Air Pressure on the Distance of a Soccer Kick
Woodbridge, Amity Regional High School, Teacher - Ms. Deborah Day
Henry Molot, Woodbridge 10
Awards: Honors = 2
 - University of Connecticut - Physics Department --- UCONN Physics Department - Co-Op \$100 Gift Certificate
- 6081 PS How does pitch effect turbine efficiency
Shelton, Shelton High School, Teacher - Charles Fowler
Jacob Zuklie, Shelton 10
Awards: Honors = 1
 - Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - American Society for Quality - Thames Valley Section --- \$250 Cash Award
- 6082 PS Studying the Applications of Solar Wind Pressure through Construction of a Muon Detection Chamber
Suffield, Suffield High School, Teacher - Mr. Charkiewicz
Lukas Baker, Suffield 12
Awards: Honors = 2
 - ISA - International Society for Automation - Ct. Valley Section --- 1st - \$125 award
- 6083 PS Is There Tin in My Fish?
Hamden, Sacred Heart Academy, Teacher - Mrs. Brownell
Audrey Seyfried, Milford 10
Awards: Honors = 2
 - Environmental Sciences Awards with CACIWC --- HS Finalist - CACIWC gifts, CSF Medallion, Acrylic award
- 6084 PS Saxophone Overtones
Canton, Canton High School, Teacher - Stephen Riley
Zachary Oliver, Canton 12
Awards: Honors = 1
 - Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - Connecticut Association of Physics Teachers --- \$100 Senior project
 - Connecticut College-Physics, Astronomy, & Geophysics Dept. --- \$150 and certificate, Senior Physics & teeshirt

AWARDS

- 6085 PS Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines
Tolland, Stonewall Academy, Teacher - Donald Peck
Amelia Peck, Tolland 10
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior High - CSF Medallion & Acrylic Award
 - People's United Bank Mathematics Awards - with ATOMIC --- High School Finalist - Medallion & Acrylic Award
 - Petit Family Foundation Women in Science & Engineering Awards --- 1st Place- HS Phys. Sciences- \$500 / plaque
 - Alternative/Renewable Energy Awards --- 1st Place High School - \$500 Cash and Plaque, Trip to Compete I-SWEEEP, Houston
 - United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 - Mu Alpha Theta --- Certificate, \$50 gift card to Amazon given by CSEF
 - Constellation, an Exelon Company --- 1st: \$200.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy
 - MIT Club of Hartford K-12 Initiative --- For excellence in science & technology of energy related research, high school, \$100 cash award
 - Arthur Mensing Award --- \$1000 cash award for excellence in the physical sciences
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Energy & Transportation
- 6501 PST Creating a Mobile School Navigation App
Woodbridge, Amity Regional High School, Teacher - Deborah Day
Vince Li, Orange 10 David Wang Bethany 12
Awards: Honors = 3
- Xerox Computer Science Awards --- 2nd Place High School - \$300, Plaque, Medallion
 - Intel Excellence in Computer Science Award --- \$200 & certificate
 - University of New Haven High School Awards in Engineering & Science --- \$100 For High School Project in Computer Science
- 6502 PST Synthesis, Characterization, and Application of Noble Metal and Noble Metal Alloy Nanoparticles to Proton Exchange Membrane Fuel Cells for Enhanced Catalytic Activity
Westport, Staples High School, Teacher - Nick Morgan
Xiaotian Zhang, Westport 12 Arun Soni Westport 12
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 1st Place- Physical Sciences Senior High Team- \$500 (split) & Plaque
 - Alternative/Renewable Energy Awards --- High School Finalist - Medallion
 - American Society for Metals - Hartford Chapter --- \$100 Check
- 6503 PST The Phone Throne
New Milford, New Milford High School, Teacher - Bradford Jones
Kurt Zarba, New Milford 12 Cal Martin New Milford 12 Aiden Collentine New Milford 12
Awards: Honors = 3
- 6504 PST Improving Methodologies for Preclinical Data Collection: Tracking Motion of Biological Test Subjects in Laboratory Environments
Greenwich, Brunswick School, Teacher - Dana Montanez
Matthew Jacobson, Greenwich 10 Avi Mukherjee Stamford 10
Awards: Honors = 2
- 6505 PST A Novel Procedural Method for the Preparation of Photovoltaic Perovskite Solar Cells
Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
Maxwell Matejka, Easton 11 Branden Fernandes Easton 11
Awards: Honors = 2
- Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- 6506 PST Using Heat Sinks In Integrated Photovoltaic Systems To Enhance Hydrogen Production Through Electrolysis
New London, Science and Technology Magnet HS, Teacher - Mr. Mulligan
John Burnett, Ledyard 10 Austin Huang Uncasville 10
Awards: Honors = 2
- CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
 - Alternative/Renewable Energy Awards --- 2nd Place High School - \$500 Cash and Plaque, Trip to Compete GENIUS Olympiad, Oswego, NY
 - Constellation, an Exelon Company --- 2nd: \$100.00 Cash - Grade 9 - 12: For Excellence in clean renewable / sustainable energy

- 6507 PST Renewable Hydrogen-Based Automotive Engine (HICEV): Using a Novel Electrolysis Apparatus to Improve Cost-Efficiency
 Avon, Avon High School, Teacher - Andrea Galuska
 Humza Zaidi, Avon 10 Chris Swetzes Avon 10
 Awards: Honors = 2
 • Alternative/Renewable Energy Awards --- High School Finalist - Medallion
- 6509 PST Corsair Transportation
 Redding, Joel Barlow High School, Teacher - Dr. Katherine Nuzzo
 Rahul Kiefer, Easton 10 Jake Stark Redding 11
 Awards: Honors = 3
- 6510 PST Designing and Constructing an Underwater Turbine with a Self-Functioning Water Desalination System Simulating the
 Conditions of the Long Island Sound
 Windsor, Madina Academy, Teacher - Muhammad Abubakar
 Maryam Moghul, Bloomfield 9 Alina Mohammed Windsor 9
 Awards: Honors = 3
 • Energize CT/esmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- 6511 PST Soil Remediation: Removing Contaminants by Means of Thermal Desorption Followed by Remineralization Through
 Addition of Organic Material
 Greenwich, Brunswick School, Teacher - Dana Montanez
 Andrew Mellert, Greenwich 11 William Gorman Bedford 11
 Awards: Honors = 2
 • Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
 • Energize CT/esmarts Future Sustainability Awards --- 3rd Place High School - \$300 Cash and Trophy
- 6513 PST Electromagnetism as an alternate source of power?
 New London, Science and Technology Magnet HS, Teacher - Charles Mulligan
 Nathaniel Bland, New London 10 Ethan Barnes New London 10
 Awards: Honors = 2
 • CASE Urban School Challenge Awards with Travelers --- Senior High Finalist - Medallion and acrylic award
- 6514 PST Incorporating Biomimicry into Airfoil Design
 Woodbridge, Amity Regional High School, Teacher - Deborah Day
 Courtney Greifenberger, Orange 10 Kelsey McCormack Orange 11
 Awards: Honors = 2
- 6515 PST Does water temperature effect to sublimation time of dry ice?
 Bridgeport, Bridgeport Military Academy, Teacher - Mr. Kadam
 Yadiel Quinones, Bridgeport 9 Kellyann Lopez Bridgeport 9
 Awards: Honors = 3
- 6516 PST EZ Bridge
 New Milford, New Milford High School, Teacher - Brad Jones
 Andrew Raciti, New Milford 12 Mark Chastain New Milford 12 Kellen Ness New Milford 12
 Awards: Honors = 3
- 6517 PST Printing Skin: Using Different Polymer Filaments to Print a Prosthetic Covering
 Hamden, Sacred Heart Academy, Teacher - Mrs. Brownell
 Eunji Lee, Trumbull 10 Priya Patel Derby 11
 Awards: Honors = 1
 • Connecticut Science & Engineering Fair Physical Sciences Awards --- 3rd Place - Physical Sciences Senior High Team - Plaque
 • United Technologies Corporation Awards --- \$500 in UTC Common Stock, Plaque, Backpack, Book, and Annual Report
 • Meyerand Young Woman Scientist Awards --- \$300 cash - High School, Physical Sciences
- 6518 PST Cardice
 Bridgeport, Central Magnet High School, Teacher - Mr. Pascarell
 Maseeha Bangi, Bridgeport 10 Quynh Tran Bridgeport 10
 Awards: Honors = 3

AWARDS

- 6521 PST Designing a Ventricular Assist Device Using Ferrofluids and Electromagnets as an Actuating Mechanism
Woodbridge, Amity Regional High School, Teacher - Ms. Deborah Day
Sarah Saxe, Woodbridge 11 Julia Nadelmann Woodbridge 11
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- 2nd Place- Physical Sciences Senior High Team- \$300(split) & Plaque
 - IEEE, Connecticut Section --- \$100 Honorable Mention
 - Milton Fisher Science Fair Award for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$200 cash
- 6522 PST Optimization of Hydrofoil Performance Through Hybridization of Base Design
New London, Science and Technology Magnet HS, Teacher - Chuck Mulligan
Brynn Doughty, New London 11 Alyse Cornish New London 12
Awards: Honors = 3
- 6524 PST Extracting DNA from *Canis latrans* to Understand Interrelatedness Among a Transient Population
Greenwich, Brunswick School, Teacher - Dana Montanez
Siyam Shaikh, Stamford 11 Tucker Calcano Greenwich 11
Awards: Honors = 2
- 6525 PST Electromagnet
Bridgeport, Bridgeport Military Academy, Teacher - Cori Andrade
Jacob Hyatt, Trumbull 10 Luke Montanaro Trumbull 10
Awards: Honors = 3
- 6526 PST Eco Friendly Batteries
New Haven, Hill Regional Career High School, Teacher - Mr Dimoulas
Mike Olivares, New Haven 9 Rich Tran East Haven 9
Awards: Honors = 3
- Energize CT/eesmarts Future Sustainability Awards --- High School Finalist - Medallion and Acrylic Award
- 6528 PST The Efficiency of Bio diesel Blends compared to diesel engines
New London, Science and Technology Magnet HS, Teacher - Mr. Mulligan
Woodrich Pierre-Louis, New London 11 Oscar Calcano New London 12
Awards: Honors = 3
- 6529 PST The Future of the Prosthetic Limb: Sacrificing Visual Aesthetics and Individualized Movement to Yield Greater Strength and Utility
Greenwich, Brunswick School, Teacher - Dana Montanez
Matt Restieri, Riverside 10 Chris Burdick Riverside 10 Greyson Wolfram Riverside 10
Awards: Honors = 1
- Connecticut Science & Engineering Fair Physical Sciences Awards --- Finalist - Physical Sciences Senior Team - CSF Medallion & Acrylic Award
 - Barnes Aerospace Applied Technology Awards --- Senior High Finalist - Medallion and acrylic award
- 6530 PST The Effect of Environmental Temperature on Glow Time of the Chemiluminescence of Luminol
Hamden, Sacred Heart Academy, Teacher - Pam Brownell
Jiwon Jeong, Hamden 10 Madison Brenchak Seymour 10
Awards: Honors = 2
- 6531 PST The Everything Hanger
New Milford, New Milford High School, Teacher - Mr. Jones
Dallas Kelly, New Milford 12 Alicia Lungo New Milford 12 Brett Leonard New Milford 12
Awards: Honors = 3
- 6532 PST How Acidic are our Oceans? pH of Sea Water vs Varying Amounts of Carbon Dioxide stoichiometrically calculated from three fuels
Middletown, Xavier High School, Teacher - Mr. David Applegate
Evan Rigsby, Kensington 12 Christopher Yerxa Guilford 12
Awards: Honors = 2
-

Intel ISEF

Life Sciences

- 3089 CRISPR Based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)
Aakshi Agarwal, Hamden High School, Hamden Teacher - Mr. Martins
- 3002 The Optimization of Nanoparticle-based Drug Delivery of Melittin in A Selective, Biocompatible Method to Target HIV Structural Antigen p24
Sanju Sathish, Greenwich High School, Greenwich, Teacher - Andy Bramante

Physical Sciences

- 6055 Increased Charge Rate and Capacity for Olivine Lithium-Ion Batteries Using Efficient, Upcycled Nanoscale Electrodes
Christopher Popham, Greenwich High School, Greenwich, Teacher - Andrew Bramante
- 6042 PS Novel Glycerol-Free Biodiesel Production Using Enzyme Catalysis
Martha Haddad, Immaculate High School, Danbury, Teacher - Mrs. Bridget Henry

Alexion Biotechnology

- 3029 Development of a Portable, Tattoo-Based Biosensor for the Non-Invasive, Low-Cost Diagnosis of Atherosclerosis via Iontophoresis of Macrophage-Targeting Silver Nanoparticles
William Yin, Greenwich High School, Greenwich Teacher - Mr. Andrew Bramante

Urban School Challenge

- 6038 Exploring conditions for Struvite precipitation and crystal growth.
Maya Geradi, Wilbur Cross High School, New Haven Teacher - Caroline Dahm

Board of Directors

- 3045 Polyetherketoneketone (PEKK) Surgical Implant: An alternative cure for Internal Coxa Saltans in Female Adolescents
Sophie Edelstein, Wilbur Cross High School, New Haven, Teacher - Caroline Dahm

I-SWEEEP

- 3052 Using biochar and 8-methyl-N-vanillyl-trans-6- nonenamide as a nontoxic agricultural pest inhibitor for glycine max
Skylynn Reyes, Bridgeport Regional Aquaculture Center, Bridgeport, Teacher - Kirk Shadle
- 6038 Exploring conditions for Struvite precipitation and crystal growth.
Maya Geradi, Wilbur Cross High School, New Haven, Teacher - Caroline Dahm
- 6085 Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines
Amelia Peck, Stonewall Academy, Tolland, Teacher - Donald Peck

GENIUS Olympiad

- 3013 Assessing the Efficiency and Ecological Impact of Various Anti-fouling Methods
Elias Kane, Fishers Island School, Fishers Island, Teacher - Mrs. Carol Giles
- 3084 How do varying kinds of enzymes effect the efficiency of enzymatic hydrolysis on lignocellulic material to produce cellulosic ethanol through fermentation
Sumanth Kondapalli, Engineering Science University Magnet School, New Haven, Teacher - Roger Rushworth
- 5530 Harvesting Wind From Street Canyons Using A Double Helix Wind Turbine
Jeffrey Osborne, Westside Middle School Academy, Danbury, Teacher - Mr. Neuhausel
- 6506 Using Heat Sinks In Integrated Photovoltaic Systems To Enhance Hydrogen Production Through Electrolysis
John Burnett and Austin Huang, Science and Technology Magnet HS, New London, Teacher - Mr. Mulligan

AWARDS

Winning Projects of Regular Categories

Award	CSEF – Life Sciences					CSEF – Physical Sciences				
	LT	L7	L8	LS	LST	PT	P7	P8	PS	PST
1	1004	2005	2526	3089	3527	4009	5008	5518	6055	6502
2	1023	2065	2501	3002	3524	4039	5012	5530	6042	6521
3	1016	2003	2538	3066	3517	4010	5035	5567	6009	6517
4		2011	2515	3100			5036	5506	6015	
5		2024	2527	3069			5005	5545	6078	
M	1005	2009	2031	3008	3511	4001	5004	5509	6005	6529
M	1011	2010	2507	3012	3520	4021	5016	5523	6022	
M	1019	2022	2512	3015	3521	4023	5023	5531	6026	
M	1020	2037	2521	3019		4026	5026	5541	6043	
M	1024	2054	2525	3023		4027	5039	5550	6048	
M			2546	3027		4037		5561	6054	
M				3036					6056	
M				3039					6057	
M				3053					6081	
M				3082					6084	
M				3086					6085	
M				3093						
M				3099						
M				3111						
M				3118						

Winning Projects of Special Categories

Award	Biotechnology			Urban Challenge	
	7th grade	8th grade	9-12th gr	Middle	High
1	2005	2522	3029	2005	6038
2	2065	1023	3066	5530	3042
3	5005	5504	3089	5016	6022
4	2020	2513	3042	5005	3114
5	2056	2538	3110	2049	3084
M	1024	1015	3002	4004	3016
M	1032	2504	3003	5017	3067
M	2033	2510	3008	5557	6039
M	2049	2542	3012	5561	6506
M		4005	3081		6513
M			3085		
M					
M					

Beyond CSEF		ISEF	
I-SWP	GENIUS	Sponsor	Project
3052	3013	CSEF	3089
6038	3084	CSEF	3002
6085	5530	CSEF	6055
	6506	CSEF	6042
		Alexion	3029
		USC	6038
		Bd Dirs	3045

Winning Projects of Special Categories

Award	Computer Science		Mathematics		Applied Tech		Envir Science		
	Middle	High	Middle	High	Middle	High	Middle	High	
1	2035	6052	2035	6052	4039	6052	2065	3052	
2	2548	6501	2548	6037	5567	6009	2538	3013	
3	2522	3038	2522	6058	4001	6047	4010	3030	
M	4009	3024	5008	6061	2033	6056	2009	3027	6014
M	4026	3047	5503	6085	4009	6511	2502	3090	6024
M	5526	6006			5504	6529	2507	3506	6027
M							2513	3511	6029
M							4028	3524	6038
M							4034		6053
M							5004		6067
M							5036		6074
M							5510		6083
M							5552		

Award	Energy		Sustainable Resource		Future Sustainability		Petit Family Foundation			
	Middle	High		Middle	High		MS Life	MS Phs	HS Life	HS Phs
1	5518	6085		2065	6038		2065	5005	3045	6085
2	5026	6506		2005	3084		2005	5561	3114	6015
3	4013	6022		5530	6511		2522	5541	3086	6057
M	5007	6039		2020	3033		1019	4029	3033	6008
M	5550	6044		4028	3086		2013	5002		
M		6076		5004	3527		2502	5531		
M		6077		5005	6006			5534		
M		6502		5026	6027					
M		6505		5518	6034					
M		6507		5550	6053					
M					6510					
M					6526					
M										
M										

UTC		CSTA	CASE	QU		Engineering	
Middle	High	Middle	High	Middle	High	Middle	High
4009	6037	2526	3089		3016	5005	3033
5005	6039	5518	6038		6038	5026	6009
5526	6055		6055			5518	6015
	6085						6055
	6517						

STATS PLUS

Projects

Project Category	JrTm	7th	8th	Sr	SrTm	Total	%
Life Sciences	32	63	53	105	22	275	53%
Physical Sciences	38	39	68	71	26	242	47%
Total	70	102	121	176	48	517	
Percent	14%	20%	23%	34%	9%		100%

Project Grade	7	8	9	10	11	12	Total
Life Sciences	83	65	12	30	49	36	275
Physical Sciences	51	94	8	35	31	23	242
Total	134	159	20	65	80	59	517
Percent	26%	31%	4%	13%	15%	11%	100%

Project Gender	7	8	9	10	11	12	Total
Male	57	73	10	30	43	30	243
Female	77	86	10	35	37	29	274
Not Given	0	0	0	0	0	0	0
Total	134	159	20	65	80	59	517

Students

Student Category	JrTm	7th	8th	Sr	SrTm	Total	%
Life Sciences	66	63	53	105	46	333	51%
Physical Sciences	81	39	68	71	56	315	49%
Total	147	102	121	176	102	648	
Percent	23%	16%	19%	27%	16%		100%

Student Grade	7	8	9	10	11	12	Total
Life Sciences	105	77	12	42	55	42	333
Physical Sciences	68	120	11	44	38	34	315
Total	173	197	23	86	93	76	648
Percent	27%	30%	4%	13%	14%	12%	100%

Student Gender	7	8	9	10	11	12	Total
Male	73	91	11	43	50	42	310
Female	100	106	12	43	43	34	338
Not Given	0	0	0	0	0	0	0
Total	173	197	23	86	93	76	648

Summary

Category	Students			Student Gender			Schools		
	Jr	Sr	Total	Male	Fem	Total	Jr	Sr	Total
Life Sciences	182	151	333	135	198	333			
Physical Sciences	188	127	315	175	140	315			
Total	370	278	648	310	333	648	73	56	125
Percent	57%	43%		48%	52%		Not to be totaled		

Category	Projects			Individual Projects			Team Projects		
	Jr	Sr	Total	Jr	Sr	Total	Jr	Sr	Total
Life Sciences	148	127	275	116	105	221	32	22	54
Physical Sciences	145	97	242	107	71	178	38	26	64
Total	293	224	517	223	176	399	70	48	118
Percent	57%	43%				77%			23%

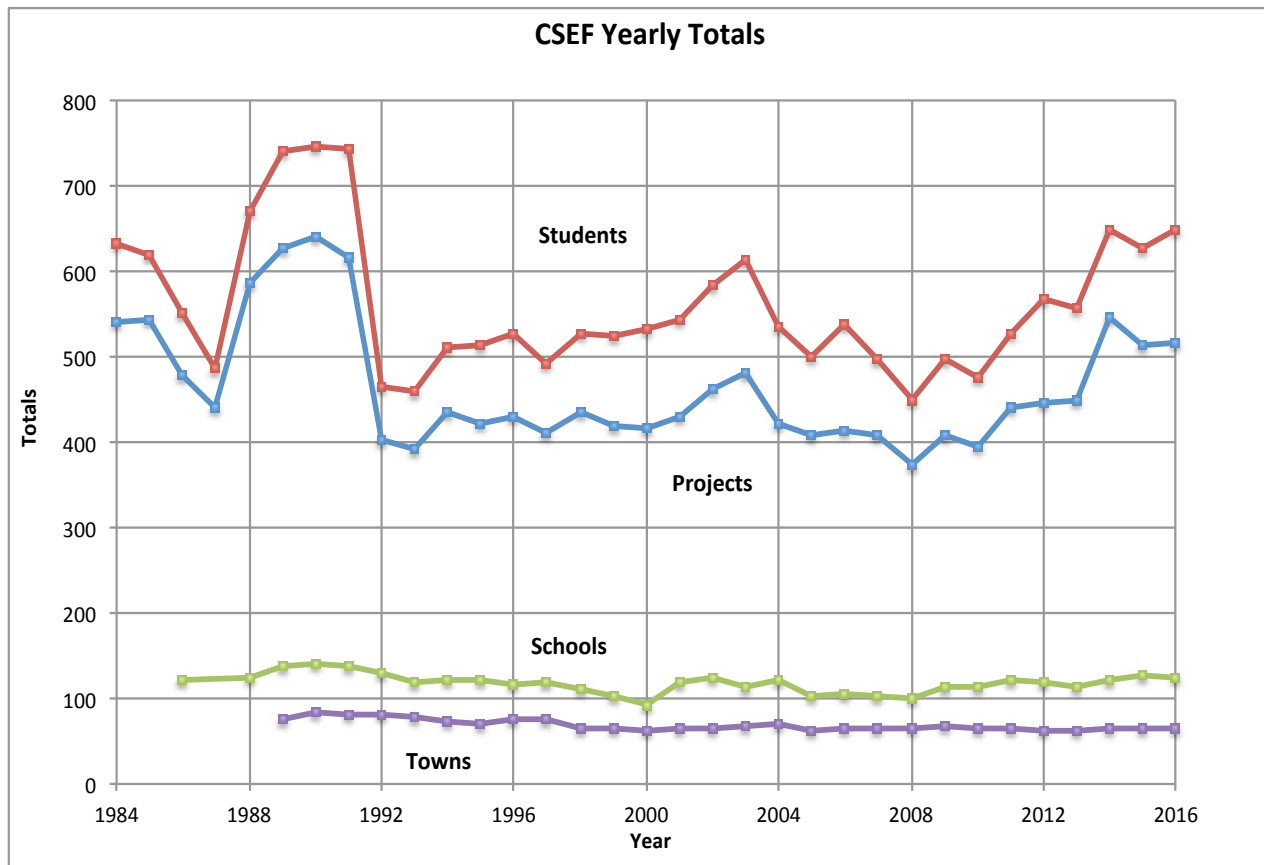
Awards

Regular = Reg + SpCat

Projects -->	Regular Awards			Special Awards			All Awards		
Category	Jr	Sr	Total	Jr	Sr	Total	Jr	Sr	Total
Life Sciences	44	46	90	28	34	62	52	64	116
Physical Sciences	46	49	95	37	40	77	56	58	114
Total	90	95	185	65	74	139	108	122	230
Percent	49%	51%		47%	53%		47%	53%	

Honors

Category	Hon	Projects				Students			
		Jr	Sr	Total	%	Jr	Sr	Total	%
Life Sciences	1	29	26	55		37	33	70	
Physical Sciences		30	20	50		40	25	65	
Sub Total		59	46	105	20%	77	58	135	21%
Life Sciences	2	68	65	133		81	76	157	
Physical Sciences		62	50	112		82	60	142	
Sub Total		130	115	245	47%	163	136	299	46%
Life Sciences	3	51	36	87		64	42	106	
Physical Sciences		53	27	80		66	42	108	
Sub Total		104	63	167	32%	130	84	214	33%
Total				517				648	



Graph Note (also see pages 66 and 67) -

1988 - Junior Individuals (LJ, PJ) were separated into L7, L8 and P7, P8 to reduce size of categories for judging process.

1991- Senior Teams (LST, PST) were added to the fair categories.

1992 - Maximum reservations for middle schools was changed from 6 to 3 projects per school.

1993 - Maximum reservations for middle schools was changed to 4 projects per school by request of teachers.

2014 - Maximum reservations for middle schools was changed to 6 projects and high schools to 15 projects.

2016 - Maximum reservations for middle schools was changed to 10 projects and high schools to 15 projects.

General Data Totals by Year

Year	Location	Proj	Stu	Sch	TwN
1984	University of Connecticut, Storrs	540	634	----	---
1985	Quinnipiac College, Hamden	544	619	----	---
1986	Quinnipiac College, Hamden	478	552	121	---
1987	Connecticut College, New London	441	487	----	---
1988	Connecticut College, New London	587	671	124	---
1989	Trinity College, Hartford	627	740	138	75
1990	Trinity College, Hartford	642	746	142	85
1991	Quinnipiac College, Hamden	617	743	138	82
1992	Quinnipiac College, Hamden	403	465	130	81
1993	U.S. Coast Guard Academy, New London	393	461	119	78
1994	U.S. Coast Guard Academy, New London	435	511	123	72
1995	University of Connecticut, Storrs	421	513	121	70
1996	Connecticut College, New London	430	527	116	77
1997	Connecticut College, New London	410	491	119	75
1998	Quinnipiac College, Hamden	435	527	110	64
1999	Quinnipiac College, Hamden	419	525	102	65
2000	Quinnipiac College, Hamden	416	533	93	61
2001	Quinnipiac University, Hamden	430	543	118	65
2002	Quinnipiac University, Hamden	463	583	124	64
2003	Quinnipiac University, Hamden	482	613	114	68
2004	Quinnipiac University, Hamden	421	536	121	70
2005	Quinnipiac University, Hamden	407	501	103	63
2006	Quinnipiac University, Hamden	415	538	105	66
2007	Quinnipiac University, Hamden	407	498	103	65
2008	Quinnipiac University, Hamden	374	450	101	64
2009	Quinnipiac University, Hamden	409	498	114	68
2010	Quinnipiac University, Hamden	395	476	114	66
2011	Quinnipiac University, Hamden	442	526	122	66
2012	Quinnipiac University, Hamden	446	568	120	61
2013	Quinnipiac University, Hamden	448	557	113	61
2014	Quinnipiac University, Hamden	545	648	121	64
2015	Quinnipiac University, Hamden	514	628	127	66
2016	Quinnipiac University, Hamden	517	648	125	66

Project Category Totals by Year

Year	LT	L7	LJ	L8	LS	LST	PT	P7	PJ	P8	PS	PST
1984	58	-	137	-	74	--	36	-	162	-	73	--
1985	41	-	155	-	68	--	34	-	175	-	71	--
1986	36	-	125	-	60	--	38	-	152	-	67	--
1987	26	-	<u>136</u>	-	63	--	20	-	<u>157</u>	-	39	--
1988	37	70	89	47	--	47	94	144	59	--		
1989	56	76	93	64	--	57	91	121	69	--		
1990	63	105	89	83	--	41	78	102	81	--		
1991	56	80	87	75	6	56	67	110	74	6		
1992	32	35	60	79	7	23	45	60	62	0		
1993	37	53	58	47	4	23	45	74	49	3		
1994	31	40	70	64	14	25	49	88	51	3		
1995	34	46	57	60	11	37	53	68	50	5		
1996	40	42	64	53	14	37	44	76	54	6		
1997	35	51	49	60	11	32	41	80	49	2		
1998	35	58	61	56	15	30	58	54	58	10		
1999	40	46	39	63	18	39	49	63	58	4		
2000	46	46	44	62	11	43	42	59	50	13		
2001	36	47	56	78	7	54	38	56	45	13		
2002	43	44	63	74	27	36	47	59	58	12		
2003	39	54	57	59	32	42	44	78	64	13		
2004	32	40	44	67	16	42	38	65	58	19		
2005	21	35	48	54	24	35	51	72	56	11		
2006	22	25	46	48	29	33	47	76	63	26		
2007	20	38	28	66	16	38	48	65	76	12		
2008	19	38	46	59	29	14	47	51	61	10		
2009	24	40	35	83	18	27	53	44	69	16		
2010	19	30	36	75	16	23	52	61	65	18		
2011	22	31	42	85	11	25	60	62	86	18		
2012	27	34	43	92	20	34	44	54	74	24		
2013	20	31	38	89	14	44	53	58	86	15		
2014	17	45	43	144	17	29	55	65	109	21		
2015	25	41	43	118	25	31	62	64	91	14		
2016	32	63	53	105	22	38	39	68	71	26		

STATS PLUS

Town	School	Type, No Res, Path & UC	Reserved		Registered		Entered			
			J1	S1	J2	S2	J3	S3	P3	St3
Project Type: 2 = High or High/ Middle School, 1 = Middle School Only										
Ansonia	Ansonia High School	2 - - -	0	1	-	1	-	1	1	1
Avon	Avon High School	2 - - -	0	1	-	1	-	1	1	2
Avon	Talcott Mountain Academy	1 - - -	6	0	6	-	6	-	6	6
Bethany	Amity Reg Middle School, Bethany Campus	1 - - -	10	0	10	-	10	-	10	18
Bethel	Bethel High School	2 - - -	0	3	-	1	-	1	1	1
Bethel	St. Mary School	1 - - -	10	0	10	-	10	-	10	12
Bozrah	Fields Memorial School	1 - - -	4	0	4	-	4	-	4	4
Branford	CT Experiential Learning Center Middle School	1 - - -	5	0	5	-	5	-	5	6
Bridgeport	Black Rock School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Blackham School	1 x bp x	0	0	2	-	2	-	2	4
Bridgeport	Bridgeport Military Academy	2 x bp x	0	0	-	3	-	3	3	5
Bridgeport	Bridgeport Regional Aquaculture Center	2 x bp x	0	0	-	10	-	10	10	10
Bridgeport	Bridgeport School District	2 - bp x	15	20	0	0	-	-	-	0
Bridgeport	Central High School	2 x bp x	0	0	-	1	-	-	-	-
Bridgeport	Central Magnet High School	2 x bp x	0	0	-	1	-	1	1	2
Bridgeport	Classical Studies Magnet Academy	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Discovery Interdistrict Magnet School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Fairchild Wheeler Magnet High School	2 x bp x	0	0	-	7	-	7	7	7
Bridgeport	Geraldine W. Johnson School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	High Horizons Magnet School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Jettie S. Tisdale School	1 x bp x	0	0	1	-	1	-	1	2
Bridgeport	Luis Munoz Marin School	1 x bp x	0	0	-	-	-	-	-	-
Bridgeport	Multicultural Magnet School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Park City Prep Charter School	1 - - x	10	0	10	-	10	-	10	16
Bridgeport	Read School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Roosevelt School	1 x bp x	0	0	1	-	1	-	1	2
Bridgeport	Thomas Hooker School	1 x bp x	0	0	1	-	1	-	1	1
Bridgeport	Waltersville School	1 x bp x	0	0	2	-	1	-	1	1
Bridgeport	Warren Harding High School	2 x bp x	0	0	-	2	-	2	2	2
Bridgeport	Winthrop School	1 x bp x	0	0	1	-	1	-	1	1
Bristol	St. Paul Catholic High School	2 - - -	0	1	-	1	-	1	1	1
Broad Brook	Masthay - Homeschool	2 - hs	1	1	1	1	1	1	2	2
Canton	Canton High School	2 - - -	2	3	-	3	-	3	3	3
Canton	Canton Middle School	1 - - -	0	0	2	-	1	-	1	2
Cheshire	Cheshire High School	2 - - -	0	1	-	1	-	1	1	1
Cheshire	St. Bridget School	1 - - -	2	0	2	-	2	-	2	2
Danbury	Henry Abbott Technical High School	2 - - -	0	1	-	-	-	-	-	-
Danbury	Immaculate High School	2 - - -	0	2	-	2	-	2	2	2
Danbury	St. Gregory the Great School	1 - - -	8	0	8	-	8	-	8	11
Danbury	St. Joseph School	1 - - -	10	0	10	-	10	-	10	14
Danbury	Westside Middle School Academy	1 - - x	10	0	10	-	10	-	10	11
Darien	Darien High School	2 - - -	0	8	-	5	-	3	3	3
East Hartford	East Hartford High School	2 - - x	0	4	-	-	-	-	-	-
Enfield	St. Martha School	1 - - -	10	0	8	-	8	-	8	11
Fairfield	Fairfield College Preparatory School	2 - - -	0	5	-	4	-	4	4	4
Fishers Island	Fishers Island School	2 - - -	0	8	-	5	-	5	5	5
Forestville	St. Matthew School	1 - - -	4	0	4	-	4	-	4	4
Glastonbury	Glastonbury High School	2 x gp -	0	0	-	11	-	7	7	7
Glastonbury	Glastonbury Public Schools	2 - gp -	4	15	0	0	-	-	-	-
Glastonbury	Smith Middle School	1 x gp -	0	0	1	-	1	-	1	1
Greens Farms	Greens Farms Academy	2 - - -	1	10	1	9	1	2	3	3
Greenwich	Brunswick School	2 - - -	0	15	-	11	-	11	11	18
Greenwich	Convent of the Sacred Heart	2 - - -	2	2	1	-	1	-	1	1
Greenwich	Greenwich Catholic School	1 - - -	4	0	4	-	4	-	4	9
Greenwich	Greenwich High School	2 - - -	0	15	-	18	-	18	18	18
Groton	Sacred Heart School	1 - - -	10	0	10	-	10	-	10	10
Guilford	E.C. Adams Middle School	1 - - -	5	0	5	-	5	-	5	7
Hamden	Hamden High School	2 - - -	4	6	-	4	-	3	3	3
Hamden	Hamden Middle School	1 - - -	0	0	6	-	6	-	6	8
Hamden	Sacred Heart Academy	2 - - -	0	12	-	9	-	9	9	11
Hartford	Environmental Sci Magnet Sch at Mary Hooker	1 - - x	10	0	10	-	10	-	10	11

School Tracking

Town	School	Type, No Res, Path & UC	Reserved		Registered		Entered			
			J1	S1	J2	S2	J3	S3	P3	St3
Project Type: 2 = High or High/ Middle School, 1 = Middle School Only										
Hartford	Hartford Public Schools	2 - - x	0	0	-	-	-	-	-	-
Hartford	HPHS Academy of Eng & Green Tech	2 - - x	0	1	-	-	-	-	-	-
Hartford	HPHS Nursing Academy	2 - - x	0	6	-	-	-	-	-	-
Hartford	Kennelly School	1 - - x	10	0	9	-	9	-	9	11
Hartford	Sport and Medical Sciences Academy	1 - - x	1	0	1	-	1	-	1	1
Hebron	Oei - Homeschool	1 - hs -	1	0	1	-	1	-	1	1
Hebron	RHAM Middle School	1 - - -	1	0	1	-	1	-	1	1
Kent	Kent School	2 - - -	0	1	-	1	-	1	1	1
Lakeville	The Hotchkiss School	2 - - -	0	1	-	1	-	1	1	1
Madison	Daniel Hand High School	2 - - -	0	1	-	1	-	1	1	1
Manchester	Manchester High School	2 - - -	0	2	-	1	-	1	1	1
Manchester	St. Bridget School	1 - - -	4	0	3	-	3	-	3	3
Manchester	St. James School	1 - - -	6	0	5	-	5	-	5	10
Meriden	ACES Thomas Edison Middle School	1 - - x	10	0	10	-	10	-	10	13
Meriden	St. Joseph School	1 - - -	10	0	10	-	8	-	8	8
Middlebury	Westover School	2 - - -	0	1	-	1	-	1	1	1
Middletown	Xavier High School	2 - - -	0	1	-	1	-	1	1	2
Milford	St. Gabriel School	1 - - -	4	0	4	-	4	-	4	4
Monroe	St. Jude School	1 - - -	2	0	2	-	2	-	2	2
New Britain	CREC Medic Professions & Teacher Prep Acad	2 - - x	0	1	-	1	-	1	1	1
New Canaan	St. Aloysius School	1 - - -	2	0	1	-	-	-	-	-
New Haven	Davis Street Interdistrict Magnet School	1 - - x	10	0	-	-	-	-	-	-
New Haven	Engineering Science University Magnet School	2 - - x	8	4	8	3	7	3	10	10
New Haven	Hill Regional Career High School	2 - - x	0	2	-	2	-	2	2	4
New Haven	St. Aedan- St. Brendan School	1 - - -	4	0	3	-	3	-	3	3
New Haven	The Foote School	1 - - -	1	0	1	-	1	-	1	1
New Haven	Wilbur Cross High School	2 - - x	0	3	-	2	-	2	2	2
New Haven	Worthington Hooker Middle School	1 - - x	8	0	8	-	8	-	8	10
New London	Science and Technology Magnet HS	2 - - x	0	15	-	15	-	15	15	22
New London	St. Joseph School	1 - - -	4	0	4	-	3	-	3	3
New Milford	New Milford High School	2 - - -	0	6	-	6	-	3	3	9
Newington	John Wallace Middle School	1 - - -	1	0	1	-	1	-	1	3
Newington	St. Mary School	1 - - -	3	0	3	-	3	-	3	3
Newtown	St. Rose of Lima School	1 - - -	8	0	8	-	7	-	7	7
North Haven	North Haven Middle School	1 - - -	10	0	6	-	6	-	6	10
Norwalk	Roton Middle School	1 - - x	4	0	3	-	3	-	3	3
Norwich	Norwich Technical High School	2 - - -	0	10	-	10	-	10	10	19
Orange	Amity Reg Middle School, Orange Campus	1 - - -	6	0	6	-	6	-	6	7
Oxford	Great Oak Middle School	1 - - -	2	0	1	-	1	-	1	1
Pawcatuck	St. Michael School	1 - - -	4	0	4	-	4	-	4	4
Plantsville	J.F. Kennedy Middle School	1 - - -	8	0	8	-	8	-	8	10
Redding	CT STEM Fair	2 - - -	0	7	-	6	-	6	6	6
Redding	Joel Barlow High School	2 - - -	0	15	-	17	-	15	15	19
Ridgefield	Ridgefield High School	2 - - -	0	5	-	3	-	2	2	2
Sandy Hook	Newtown High School	2 - - -	0	4	-	4	-	4	4	4
Shelton	Shelton High School	2 - - -	0	8	-	8	-	7	7	8
Shelton	Shelton Intermediate School	1 - - -	3	0	3	-	3	-	3	4
Shelton	St. Joseph School	1 - - -	4	0	4	-	4	-	4	4
Sherman	Sherman School	1 - - -	3	0	-	-	-	-	-	-
Simsbury	Westminster School	2 - - -	0	1	-	1	-	1	1	1
Southington	J.A. DePaolo Middle School	1 - - -	8	0	8	-	8	-	8	11
Southington	Southington Catholic School	1 - - -	2	0	2	-	2	-	2	2
Stamford	Beacon School	2 - - -	0	1	-	1	-	1	1	1
Stamford	Bi-Cultural Day School	1 - - -	3	0	3	-	3	-	3	5
Stamford	Stamford High School	2 - - x	0	1	-	-	-	-	-	-
Stratford	St. Mark School	1 - - -	6	0	5	-	5	-	5	7
Suffield	Suffield High School	2 - - -	0	15	-	10	-	7	7	8
Suffield	Suffield Middle School	1 - - -	1	0	1	-	-	-	-	-
Tolland	Stonewall Academy - Homeschool	2 - hs -	0	1	-	1	-	1	1	1
Trumbull	Christian Heritage School	2 - - -	4	4	4	4	4	4	8	8
Trumbull	St. Joseph High School	2 - - -	0	4	-	2	-	2	2	2

Town	School	Type, No Res, Path & UC	Reserved		Registered		Entered			
			J1	S1	J2	S2	J3	S3	P3	St3
Project Type: 2 = High or High/ Middle School, 1 = Middle School Only										
Trumbull	Trumbull High School	2 - - -	0	10	-	2	-	2	2	2
Wallingford	Choate Rosemary Hall	2 - - -	0	2	-	2	-	2	2	2
Waterford	Waterford High School	2 - - -	0	1	-	1	-	1	1	1
Watertown	The Taft School	2 - - -	0	1	-	1	-	1	1	1
West Hartford	Kingswood Oxford School	2 - - -	0	1	-	-	-	-	-	-
West Hartford	Solomon Schechter Day School	1 - - -	3	0	1	-	1	-	1	1
West Hartford	St. Brigid School	1 - - -	1	0	1	-	1	-	1	1
West Hartford	St. Timothy Middle School	1 - - -	4	0	4	-	4	-	4	4
West Haven	West Haven High School	2 - - -	0	8	-	-	-	-	-	-
Weston	Weston Middle School	1 - - -	1	0	1	-	1	-	1	1
Westport	Staples High School	2 - - -	0	10	-	5	-	4	4	5
Wilton	Middlebrook Middle School	1 - - -	4	0	4	-	4	-	4	4
Windsor	Academy of Aerospace and Engineering	2 - - x	0	12	-	14	-	3	3	3
Windsor	Greater Hartford Academy of Math & Science	2 - - x	0	12	-	9	-	4	4	6
Windsor	Madina Academy	2 - - -	4	4	3	1	3	1	4	8
Windsor	St. Gabriel School	1 - - -	4	0	4	-	4	-	4	6
Windsor	The Loomis Chaffee School	2 - - -	0	3	-	2	-	1	1	1
Winsted	The Gilbert School	2 - - -	0	1	-	1	-	-	-	-
Woodbridge	Amity Regional High School	2 - - -	0	15	-	17	-	17	17	23
Schools = 141			334	335	302	268	293	224	517	648

Abbreviations: bp = Bridgeport Public, sc = SCSEF, I = Homeschool/Independent, x = Urban Challenge,
J, S, P = Junior, Senior, and Jr + Sr Projects, St = Students

School Summary for 2016

Total Contacts = 141 Schools
Sch In Fair = 125

Registered Schools = 119
Regular Schools = 117
Homeschools = 2

Non-Registered Schools = 22
Bridgeport Public Schools = 20
Glastonbury Pub Schools = 02

2016 CSEF Schools	
Total Contacts	141
In Fair	125
Withdraws	006
City Fairs	002
No-Shows	008

	<u>Sch</u>	<u>Proj</u>	<u>Stu</u>
School Reservations	141	682	----
Sch Approved Proj	130	570	----
Entered Fair	125	517	648

Returning Students

Yrs	Student	Hometown	Grade	School	SchTown	Honors
5 Years - 5 Students						
5	Agarwal Aakshi	Hamden	11	Hamden High School	Hamden	1
5	Haddad Martha	Danbury	11	Immaculate High School	Danbury	1
5	LoPreiato Elizabeth	Berlin	11	Sacred Heart Academy	Hamden	2
5	Roychoudhury Ankita	Madison	11	Daniel Hand High School	Madison	2
5	Siveyer Jonathan	Monroe	11	Fairfield College Preparatory School	Fairfield	1
4 Years - 8 Students						
4	Baker Lukas	Suffield	12	Suffield High School	Suffield	2
4	Cirino Margaret	Greenwich	11	Greenwich High School	Greenwich	2
4	Geradi Maya	New Haven	10	Wilbur Cross High School	New Haven	2
4	Krawczuk Kamila	New Britain	10	St. Paul Catholic High School	Bristol	2
4	Low Lauren	Hamden	11	Engineering Science University Magnet Sch	New Haven	2
4	Mo Junlin	Bridgeport	11	Fairfield College Preparatory School	Fairfield	3
4	Peck Amelia	Tolland	10	Stonewall Academy	Tolland	1
4	Saxe Sarah	Woodbridge	11	Amity Regional High School	Woodbridge	1
3 Years - 15 Students						
3	Agarwal Akshar	Hamden	9	Hamden High School	Hamden	3
3	Ames Nolan	Danbury	10	Immaculate High School	Danbury	3
3	Baker Katherine	Suffield	11	Suffield High School	Suffield	2
3	Herrick Catherine	Sandy Hook	9	Sacred Heart Academy	Hamden	2
3	Kirschbaum Caitlin	Suffield	11	Suffield High School	Suffield	2
3	Moghul Maryam	Bloomfield	9	Madina Academy	Windsor	3
3	Mohammed Alina	Windsor	9	Madina Academy	Windsor	3
3	Mohanraj Prastik	Ansonia	9	Engineering Science University Magnet Sch	New Haven	1
3	Niski Joseph	Shelton	12	Shelton High School	Shelton	2
3	Rigsby Evan	Kensington	12	Xavier High School	Middletown	2
3	Silvert Eli	Woodbridge	12	Amity Regional High School	Woodbridge	2
3	Waskowicz Caleigh	Southington	12	Westover School	Middlebury	1
3	Wu Jonathan	Wilton	9	Choate Rosemary Hall	Wallingford	2
3	Zaidi Humza	Avon	10	Avon High School	Avon	2
3	Zhang Yiran	Orange	12	Amity Regional High School	Woodbridge	2
2 Years - 107 Students						
2	Agirman Betul	Southington	8	J.A. DePaolo Middle School	Southington	3
2	Ahilan Arjun	Glastonbury	8	Smith Middle School	Glastonbury	2
2	Allman Dylan	Stamford	8	Greenwich Catholic School	Greenwich	1
2	Andrade Alexia	Bridgeport	8	Read School	Bridgeport	2
2	Bencivengo Michael	New Haven	8	Worthington Hooker School	New Haven	2
2	Benson Clarke Isabelle	Marlborough	8	RHAM Middle School	Hebron	2
2	Borrelli Stephen	North Haven	8	North Haven Middle School	North Haven	3
2	Calcano Tucker	Greenwich	11	Brunswick School	Greenwich	2
2	Casino Olivia	Brewster	8	St. Joseph School	Danbury	2
2	Chaplinsky Chris	Southington	8	J.A. DePaolo Middle School	Southington	2
2	Chavez Bethany	New London	8	Sacred Heart School	Groton	3
2	Clark Alma	Windsor	8	St. Gabriel School	Windsor	1
2	Clark Benjamin	Windsor	8	St. Gabriel School	Windsor	1
2	Cloud Abigail	Bridgeport	9	St. Joseph High School	Trumbull	2
2	Cloud Kara	Bridgeport	11	St. Joseph High School	Trumbull	2
2	Courts Tasia	Bridgeport	8	Park City Prep Charter School	Bridgeport	3
2	Criscuolo Emily	Woodbridge	11	Amity Regional High School	Woodbridge	3
2	D'Ostuni Madison	Suffield	11	Suffield High School	Suffield	3
2	Das Monisha	Bethel	12	Bethel High School	Bethel	3
2	DeRosa Kelly	Stratford	8	St. Mark School	Stratford	1
2	Ding Howard	Woodbridge	10	Amity Regional High School	Woodbridge	3
2	Doolabh Kieran	Danbury	8	St. Gregory the Great School	Danbury	2
2	Doran Nickolina	Southington	11	Greater Hartford Academy of Math & Science	Windsor	3
2	Doughty Brynn	New London	11	Science and Technology Magnet HS	New London	3
2	Echavarria Diego	New Milford	8	St. Joseph School	Danbury	3

STATS PLUS

Yrs	Student	Hometown	Grade	School	SchTown	Honors	
2	Edelstein	Sophie	New Haven	9	Wilbur Cross High School	New Haven	3
2	Ehwarieme	Precious	Norwich	11	Science and Technology Magnet HS	New London	3
2	Gage	Brigid	Danbury	8	St. Joseph School	Danbury	2
2	Gorman	William	Bedford	11	Brunswick School	Greenwich	2
2	Guijarro-Sines	Sylvia	New London	11	Science and Technology Magnet HS	New London	1
2	Guiry	Sean	Danbury	8	St. Joseph School	Danbury	1
2	Handler	Katherine	Woodbridge	11	CT STEM FAIR	Redding	2
2	He	James	Woodbridge	11	Amity Regional High School	Woodbridge	2
2	Hoth	Breanna	Gales Ferry	8	Sacred Heart School	Groton	3
2	Hyland	George	New Fairfield	8	St. Gregory the Great School	Danbury	3
2	Jain	Siddharth	Shelton	9	Shelton High School	Shelton	2
2	Jarad	Haya	Orange	11	CT STEM FAIR	Redding	3
2	Johnson	Sarah	Danbury	8	Westside Middle School Academy	Danbury	1
2	Joseph	Anjeli	Danbury	8	Westside Middle School Academy	Danbury	1
2	Kachru	Ananya	Woodbridge	10	Amity Regional High School	Woodbridge	3
2	Kane	Elias	Groton	12	Fishers Island School	Fishers Island	2
2	Karasinski	Tyler	North Haven	8	North Haven Middle School	North Haven	3
2	Kerr	Bradley	Danbury	8	St. Joseph School	Danbury	1
2	Klepinger	Jacqueline	Wethersfield	12	Gtr Hfd Academy of Math & Science	Windsor	3
2	Kondapalli	Sumanth	Milford	9	Engineering Science University Magnet Sch	New Haven	2
2	Lee	Benjamin	Avon	8	St. Timothy Middle School	West Hartford	1
2	Legnard	Kevin	Bethel	8	St. Mary School	Bethel	3
2	Lencyk	Andrew	Stamford	8	Greenwich Catholic School	Greenwich	3
2	Liu	Helen	Orange	12	Amity Regional High School	Woodbridge	1
2	Liu	Steven	West Hartford	8	St. Timothy Middle School	West Hartford	1
2	Mabes	Daniel	Greenwich	8	Greenwich Catholic School	Greenwich	3
2	MacFaddin	Colin	Cos Cob	11	Brunswick School	Greenwich	1
2	Maciejewski	Matthew	Southington	8	J.F. Kennedy Middle School	Plantsville	2
2	Malani	Kanika	Glastonbury	12	Glastonbury High School	Glastonbury	1
2	Mancuso	Melissa	Mystic	8	Sacred Heart School	Groton	2
2	Marks	Willow	Bridgeport	8	Park City Prep Charter School	Bridgeport	3
2	Masthay	Jamie	Broad Brook	10	Masthay - Homeschool	Broad Brook	3
2	Mehta	Yash	Suffield	11	Suffield High School	Suffield	3
2	Mellert	Andrew	Greenwich	11	Brunswick School	Greenwich	2
2	Mocciola	Laura	Shelton	10	Sacred Heart Academy	Hamden	2
2	Moghul	Ibrahim	Bloomfield	8	Madina Academy	Windsor	2
2	Morizio	Isabella	North Haven	8	North Haven Middle School	North Haven	2
2	Morris	Katharine	Bridgeport	12	Bridgeport Regional Aquaculture Center	Bridgeport	1
2	Nadelmann	Julia	Woodbridge	11	Amity Regional High School	Woodbridge	1
2	Nazir	Ayesha	Manchester	8	Madina Academy	Windsor	2
2	Novak	Leon	Rocky Hill	12	Academy of Aerospace and Engineering	Windsor	2
2	O'Donnell	Lauren	Mystic	8	Sacred Heart School	Groton	3
2	Okoney	Dravyn	Bozrah	8	Fields Memorial School	Bozrah	1
2	Oleynik	Ryan	Woodbridge	12	CT STEM FAIR	Redding	2
2	Paine	Ruqayyah	Terryville	8	Madina Academy	Windsor	2
2	Patel	Rohan	Orange	11	Amity Regional High School	Woodbridge	1
2	Peglow	Sean	Old Mystic	8	St. Michael School	Pawcatuck	1
2	Pierre-Louis	Woodrich	New London	11	Science and Technology Magnet HS	New London	3
2	Purcell	Ashleigh	Manchester	8	St. Bridget School	Manchester	2
2	Rahman	Masudur	Harford	8	Environmental Sciences Magnet at M Hooker	Hartford	2
2	Ranelli	Juliette	New Haven	8	Worthington Hooker School	New Haven	2
2	Rodrigues	James	Milford	8	Engineering Science University Magnet Sch	New Haven	2
2	Rosato	Lachlan	Greenwich	11	Brunswick School	Greenwich	2
2	Sathish	Sanju	Greenwich	11	Greenwich High School	Greenwich	1
2	Sciallo	Natalie	Stratford	8	St. Mark School	Stratford	1
2	Senanu	Rehab	New Haven	8	St. Aedan- St. Brendan School	New Haven	3
2	Shaikh	Siyam	Stamford	11	Brunswick School	Greenwich	2
2	Sherman-Watson	Chloe	New London	11	Science and Technology Magnet HS	New London	2
2	Simmons	Shayne	Danbury	8	St. Joseph School	Danbury	3
2	Singh	Laekhrum	North Haven	8	North Haven Middle School	North Haven	1

Returning Students

Yrs	Student	Hometown	Grade	School	SchTown	Honors
2	Smith Emma	Groton	8	Sacred Heart School	Groton	3
2	Stefanou John	Old Greenwich	11	Brunswick School	Greenwich	1
2	Suarez Madeline	Bethel	8	St. Mary School	Bethel	1
2	Subramanian Vignesh	Wilton	8	Middlebrook Middle School	Wilton	2
2	Sudhir Neha	Woodbridge	9	CT STEM FAIR	Redding	2
2	Switz Mackenzie	Stonington	12	Fishers Island School	Fishers Island	2
2	Tassavor Bryan	Rocky Hill	12	Greater Hartford Academy of Math & Science	Windsor	3
2	Tavakoli Sara	Glastonbury	12	Glastonbury High School	Glastonbury	2
2	Toth Brendan	Bozrah	8	Fields Memorial School	Bozrah	1
2	Tran Kelly	Meriden	8	ACES Thomas Edison Middle School	Meriden	2
2	Vidal Jeremiah	New Haven	8	St. Aedan- St. Brendan School	New Haven	3
2	Wada Alexander	Old Greenwich	11	Brunswick School	Greenwich	1
2	Wang David	Bethany	12	Amity Regional High School	Woodbridge	3
2	Warmus Alexander	Ledyard	8	Sacred Heart School	Groton	2
2	Werenski Jason	Suffield	11	Suffield High School	Suffield	3
2	Wicko Ethan	Milford	8	St. Gabriel School	Milford	2
2	Xu Shangda	Cheshire	12	Cheshire High School	Cheshire	2
2	Yerxa Christopher	Guilford	12	Xavier High School	Middletown	2
2	Yin William	Riverside	11	Greenwich High School	Greenwich	2
2	Zaidi Yusuf	Avon	8	Talcott Mountain Academy	Avon	2
2	Zhang Xiaotian	Westport	12	Staples High School	Westport	1
2	Zhou Madeleine	Old Greenwich	11	Greenwich High School	Greenwich	1

Total Returns = 135 Students

2016 Intel ISEF

May 8-13, 2016
Phoenix, Arizona

2016 I-SWEEEP

April 26- May 1, 2016
Houston, Texas

2016 Genius Olympiad

June 12-17, 2016
Oswego, New York

Many Connecticut Science & Engineering Fair projects have won trips to other competitions. The following pages show those projects with their abstracts.

Intel ISEF

Life Sciences

Aakshi Agarwal, Hamden High School, Hamden
Sanju Sathish, Greenwich High School, Greenwich

Physical Sciences

Christopher Popham, Greenwich High School, Greenwich
Martha Haddad, Immaculate High School, Danbury

Alexion Biotechnology

William Yin, Greenwich High School, Greenwich

Urban School Challenge

Maya Geradi, Wilbur Cross High School, New Haven

Board of Directors

Sophie Edelstein, Wilbur Cross High School, New Haven

I-SWEEEP

Skylynn Reyes, Bridgeport Regional Aquaculture Center, Bridgeport
Maya Geradi, Wilbur Cross High School, New Haven
Amelia Peck, Stonewall Academy, Tolland

GENIUS

Elias Kane, Fishers Island School, Fishers Island
Sumanth Kondapalli, Engineering Science University Magnet School, New Haven
Jeffrey Osborne Westside Middle School Academy, Danbury
John Burnett and Austin Huang Science and Technology Magnet HS, New London.

ISEF Abstracts - Life Sciences

NAME: Aakshi Agarwal
SCHOOL: Hamden High School, Hamden
TEACHER/MENTOR: **Mr. Martins**

TITLE: CRISPR Based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)

Current HIV therapies lead to drug resistance and fail to address the latent viral reservoir which reactivates and inevitably leads to AIDS and mortality. Commonly infectious HIV targets T-cells via the cluster of differentiation glycoprotein (CD4) receptor and a highly conserved chemokine co-receptor, CCR5. This project aims to create resistance to HIV by generating lentiviral particles that will use CRISPR (clustered regularly interspaced short palindromic repeats) to specifically edit the CCR5 gene in T-cells, rendering them resistant to HIV. First, novel CRISPR lentiviral particles were created to effectively and specifically deliver the gene editing complex into T-cells. These lentiviral particles were then transduced into T-cells and resultant genomic DNA was isolated. Subsequently, gene editing efficiency was determined by subjecting genomic DNA isolated from these modified T-cells to T7 Endonuclease Assays. Results indicated that approximately 90% of the cells had undergone gene editing at the CCR5 gene. Further, flow cytometric analysis showed T-cells had lost cell surface CCR5 expression. Therefore, they will be resistant to HIV infection. In future, resistance will be confirmed by measuring the reduced susceptibility to HIV infection in the CCR5 gene-edited cells. Such HIV resistance will also be tested *in vivo*. In summation, CRISPR based gene editing confers resistance to HIV. This project presents a potential single round gene therapy that confers resistance to HIV as opposed to current lifelong HIV therapies that are associated with comorbidities.

NAME: **Sanjeev-kumar Mamalapuram Sathish**
SCHOOL: Greenwich High School, Greenwich
TEACHER/MENTOR: Andrew Bramante

TITLE: The Optimization of Nanoparticle-Based Drug Delivery of Melittin in a Colloidal Suspension as a Selective Method to Target HIV Structural Antigen p24

The HIV-1 strand of the human immunodeficiency virus is an evasive retrovirus due to its ability to invade a cell and use the outer membrane to multiply and invade other cells. The p24 capsid protein that protects the RNA plays an important structural role in transporting the multiplied virus as it leaves the phospholipid bilayer. Previous studies have shown that melittin, a peptide found in bee venom, has the ability to selectively target p24 and other primary structural components of HIV that are found on the cell surface during replication. This research will investigate if melittin, introduced via a Fe₃O₄-Citric acid nanocarrier (CA-NP), will act to target HIV p24, thus inhibiting replication of the virus. First, CA-NPs were synthesized according to Racuiu, et al., with minor modification. Following confirmation of CA coating and NP size via FTIR and SEM, 130mg CA-NPs were immersed in 250 μ l of 2-10 μ M melittin (in 0.1M KCl) for 12hours peptide loading. Following centrifugation, the solid melittin-CA-NPs were re-suspended in di-water for use on simulated HIV-cell phospholipid bilayers (cpbs), created using an electroformation chamber (3Hz, 2Vp-p). To simulate HIV-cell targeting, 5 μ l melittin-CA-NPs were introduced to cpbs composed of 1,2-dioleoyl-sn-glycero-3-phosphocholine (DOPC) and p24. Using p24 selective ELISA at 450nm, results demonstrate that the introduction of 0.05 μ M melittin caused a 20% decline in p24 expression (8.51ng/ml to 6.89ng/ml), while "normal" cpbs containing only DOPC were unaffected. These results highlight the success of CA-NP as a nanocarrier for melittin, which in turn was selective in disrupting HIV replication.

ISEF Abstracts - Physical Sciences

NAME: **Christopher Craig Popham**
SCHOOL: Greenwich High School, Greenwich
TEACHER/MENTOR: **Andrew Bramante**

TITLE: Increased Charge Rate and Capacity for Olivine Li-Ion Batteries via Efficient, Upcycled Nanoscale Electrodes

Lithium-ion batteries are used as the power source for a myriad of devices, from smartphones to electric vehicles. The main issues preventing further growth and development of these batteries are safety and capacity - both of these must be addressed in order to secure the future of the Li-ion energy market. A possible solution to these limitations may lie in adaptation of silicon anodes; Si's specific capacity can reach 4.2 Ah g⁻¹, 12x that of the most commonly used anode, graphite. To date, however, Si anode technology remains untapped due to its massive volume change and instability during Li cycling. Concurrently, Li-ion electrode technology can be improved using lithium iron phosphate (LiFePO₄) in place of LiCoO₂. LiFePO₄ possesses increased thermal and chemical stability, charge stability for over 2000 cycles, and decreased environmental impact when discarded. In this research, Si-anode and LiFePO₄ technologies were simultaneously adapted to design an improved Li-ion battery. To prepare silicon for use as an anode material, Si wafers were first (metal- assisted) chemically etched, to create nanoscale channels on the surface. These channels provide space for the crystal to safely expand and contract without damage to its structure. Lithium-ion batteries, including etched, nanostructured Si-anodes, were assembled, and compared to a standard CR2032 cell at low-load conditions (10ohm resistance). The new Si-LiFePO₄ design demonstrated 48% higher specific capacity, and exhibited 250X improvement in consistent output, suggesting that they are better- suited than the CR2032 for long-term applications such as pacemakers, emergency lighting, and devices which require consistent power.

NAME: **Martha Haddad**
SCHOOL: Immaculate High School, Danbury
TEACHER/MENTOR: Bridget Henry

TITLE: Novel Glycerol-Free Biodiesel Production using Enzyme Catalysis

Biodiesel production from vegetable oil and ethanol (EtOH) has become a demonstrated alternative energy source. Current processes convert triglycerides to biodiesel, from which 90 million pounds of crude glycerol, a waste product, is extracted per annum in the US. Last year, a new method of production was formulated to avoid glycerol formation using selective partial transesterification; preliminary data required additional research to verify early findings and support the method reliably. This project investigates the effectiveness of the addition of acetic acid (AcOH) to the enzymatic process to prevent the formation of glycerol by inducing faster transesterification of the terminal alcohols. Gas chromatography and mass spectrometry (GC/MS) analyses were applied in order to identify intermediate compounds' structures dependably. Using GC/MS and dodecane, an internal standard (IS), to track formation of the new products, the reaction's stability was demonstrated. Glycerol was continually absent from the invented EtOH+AcOH reaction, supporting the hypothesis that stopping the process at the monoacylglycerol (MG) stage results in a 100% yield of good-quality biodiesel.

Furthermore, the reaction of MG acetate, formed under anhydrous conditions, was tracked after the addition of water, experimentally verifying its structure. In the EtOH+AcOH experiment, 8% MG acetate was formed; its complete hydrolysis in the presence of water resulted in a 10% increase in biodiesel and 0.12% increase in MG. These results indicate that the EtOH+AcOH method for biodiesel production is a sound, efficient, and applicable process to prevent waste glycerol formation at minimal cost.

ISEF Abstracts - Special Categories**Alexion Biotechnology**

NAME: **William Yin**
SCHOOL: Greenwich High School, Greenwich
TEACHER/MENTOR: Andrew Bramante

TITLE: Development of a Portable, Tattoo-Based Biosensor for the Non-Invasive, Low- Cost Diagnosis of Atherosclerosis via Iontophoresis of Macrophage-Targeting Silver Nanoparticles

Atherosclerosis and subsequent cardiovascular disease causes nearly one-third of all deaths in the world. Unfortunately, atherosclerosis commonly remains asymptomatic for decades, and is properly diagnosed only after a severe, life-threatening cardiac event. A simple, portable, and inexpensive method for early detection of atherosclerosis is highly desirable. This research details the fabrication of a cost-effective and portable tattoo-based system for the detection and quantification of atherosclerosis progression. The system is contained within a screen-printed biosensor which utilizes human immune response in order to quantify macrophage concentration in the bloodstream via the transdermal iontophoretic administration of spermine-silver nanoparticles (spAg-NPs). In clinical usage, the patch is placed on the skin directly above the carotid bifurcation, where plaque quantification/diagnostic accuracy is especially high. The patch utilizes an iontophoretic circuit to introduce spAg-NPs into the interstitial fluid matrix. The patient then waits for macrophages to enter into the matrix and engulf a portion of the spAg-NPs. Remaining spAg-NPs are then extracted via a reversed current, which then react with amine oxidase to produce H₂O₂, which in turn electrochemically reduces Prussian- Blue 'artificial peroxidase'. Current produced is measured to determine concentration of spAg-NPs, and thus the concentration of macrophages in the bloodstream, which correlates directly with progression of the atherosclerotic plaque. The biosensor demonstrated a limit of detection of 3.26×10^{-5} M spAg-NPs, with a sensitivity of 5.07 A/M-cm², allowing for the precise, cost-effective detection of as little as 0.059% arterial cross-sectional plaque buildup within the carotid bifurcation.

Urban School Challenge

NAME: **Maya N. Geradi**
SCHOOL: Wilbur Cross High School, New Haven
TEACHER/MENTOR: Caroline Dahm

TITLE: Exploring Conditions for Struvite Precipitation with Sustainable Goals in Wastewater Management

Municipal and farmland effluent and CAFO produced wastes contain high phosphate and ammonium levels, which must be brought to EPA mandated standards. Current treatments are relatively expensive and remove ammonium and phosphates separately. Production of struvite, crystals consisting of magnesium, ammonium and phosphate (MAP) in 1:1:1 ratio, is a potential effective, low-cost method to recover ammonium and phosphate together. This process has implication for environmental management and sustainability since struvite is an excellent slow-release, eco-friendly fertilizer, which allows for the recycling of MAP. This project aims to optimize conditions for recovery through struvite precipitation. Towards this goal, solutions of ammonium acetate, magnesium chloride and potassium phosphate were mixed at varying concentrations over ranging pH (7-9.5). Crystal morphology was observed.

Ammonium and phosphate recovery was measured using reagent-based tests and test strips, respectively. The ratio of the three ions was varied and compared with solutions compounded in 1:1:1 ratio. Possibility of K-Struvite formation was tested by comparing usage of potassium phosphate with sodium phosphate. Effect of eggshell and sodium carbonate was later explored. Crystal formation increases with increasing initial pH. Precipitation was accompanied by drop in pH of supernatant and reduction of AP concentrations. Recovery increases with higher ratios of phosphate, addition of phosphate as a base and addition of eggshell. The K- Struvite hypothesis was supported. My results significantly show that neutralization of pH drop is vital to maximum recovery. Eggshell proves to be a promising, novel approach to neutralization as it is a cheap, abundant waste and effectively increases struvite production.

ISEF Abstracts - Special Categories

Board of Directors

NAME: Sophie Elizabeth Edelstein
SCHOOL: Wilbur Cross High School, New Haven
TEACHER/MENTOR: Caroline Dahm

TITLE: Polyetherketoneketone (PEKK), 3D Printed, Bipartite Surgical Implant: An Alternative and Supportive Cure for Internal Coxa Saltans in Female Adolescents

Coxa Saltans, a condition of the hip, comes in three forms that manipulate a snap, but the contributing factors vary. Internal Coxa Saltans, on which this research focuses, occurs when the iliopsoas muscle-tendon snaps over bony protrusions on the front of the pelvis. The condition is commonly seen in female adolescents due to the hips growing faster than the muscle-tendon can accommodate. The muscle-tendon cannot span such a large area without complications. This results in a tight, inflamed iliopsoas that is prone to snapping. Basic treatment is administered and if the snapping persists and becomes increasingly painful, lengthening of the tendinous fibers of the iliopsoas muscle-tendon is performed. Research has shown that this method removes valuable support from the patient's hip joint. This research seeks to design, 3D print, and mechanically test a bipartite surgical implant that prevents the snapping and provides support for the patient. Using Solidworks, a computer aided design software, the two parts of the implant were designed, combining the properties of a doorstop and channel like mechanisms. The bipartite implant was 3D printed and then tested mechanically via an Instron machine. The implants were tested for compressive strength in different orientations. When tested mechanically, the femoral implant failed at a load of about 1,242 N and the pelvic implant failed at a load of about 964 N. Taking the general anatomy of the hip and the strength of the implants into account, it can be concluded that the implant design can provided required support to the hip, while also preventing the snapping.

I-SWEEEP AbstractsNAME: **Skylynn Reyes**

SCHOOL: Bridgeport Regional Aquaculture Center, Bridgeport

TEACHER/MENTOR: Kirk Shadle

TITLE: **Using Biochar and 8-methyl-N-vanillyl-trans-6- nonenamide as a Nontoxic Agricultural Pest Inhibitor for Glycine Max**

Glycine max is the second largest field crop grown and the second most consumed oil in the world. There are numerous insects which attack the leaf, stem and roots. Biochar serves as a carrier of capsaicin in a treatment during the growth of soybeans. Topical capsaicin treatments require a monthly application, but a systematic treatment would be more cost efficient and less manual intensive because of its incorporation into the soil. Each trial used 2 controls and one 1 experiment plant; One control is just the seedling, the other is control for the biochar that is used to contain the capsaicin. The experimental plant has biochar that has been treated with capsaicin. The capsaicin used has been diluted in a .5 gram to 500 ML methyl alcohol solution, which is .001 ppt g/L. The damage to the plant will be assessed by a scale adopted from the University of Illinois, there was an average of 18% destruction to the control group, 21% to the biochar group and 10% to the capsaicin. Correlating to 36% of the control, 42% biochar and 2% of the capsaicin plants leaf damage. A trial conducted measuring mass loss was held that demonstrated the Capsaicin supplement caused a 16% decrease in mass loss when compared to the control. Future research has the potential with an increased of the concentration of capsaicin within the biochar will lead to a near zero consumption.

NAME: **Maya Geradi**

SCHOOL: Wilbur Cross High School, New Haven

TEACHER/MENTOR: Caroline Dahm

TITLE: **Exploring Conditions for Struvite Precipitation and Crystal Growth.**

Municipal and farm effluent contain high phosphate and ammonia levels, which must be removed by the EPA mandated standards. Processing of effluent by anaerobic digesters produce ammonium ions and orthophosphate. Production of Struvite, a crystal consisting of magnesium, phosphate and ammonium in a 1:1:1 ratio, can be an effective method to bring levels of these contaminants to EPA mandates. This process has implication for environmental management and sustainability as Struvite is an excellent slow-release fertilizer and can allow for recycling of ammonium and phosphate. This project aims to optimize conditions for recovery through struvite. Towards this goal, solutions of Ammonium acetate, Magnesium chloride and Potassium phosphate were mixed at varying concentrations over a range of pH (7-9.5). Observations were done to a maximum of 24 hours after solutions were compounded at room temperature. Crystal morphology was noted down. Recovery of ammonium and phosphate was measured using a reagent-based test and test strips. Recovered struvite was also dissolved and ammonium and phosphate levels were measured. The ratio of three ions was varied and compared with solutions compounded in a 1:1:1 ratio. Possibility of K-Struvite formation was tested by comparing usage of potassium phosphate V.S. sodium phosphate. Crystal formation increases with increase in initial pH and precipitation was accompanied by drop in pH of the solution and reduction of phosphate and ammonium concentration. Recovery of ammonium and phosphate increases with higher ratio of phosphate and the addition of phosphate as a base. Recovery is slightly increased with the usage of sodium phosphate.

I-SWEEEP Abstracts**NAME: Amelia Peck****SCHOOL:** Stonewall Academy, Tolland**TEACHER/MENTOR:** Donald Peck**TITLE: Designing an Airfoil Spinner to Improve the Efficiency of Horizontal Axis Wind Turbines**

Given the current rate of climate change, renewable energy is vital to our future. Wind energy is one of the most promising sources of renewables, but currently falls short in efficiency of electrical output when compared to the Betz limit. In my project, I focused on designing different shapes of hubs, or airfoil spinners, to maximize electrical output for small scale wind turbines, through directing the wind more smoothly across the nacelle of the turbine, so the blades have more wind to be pushed through, and thus more possible kinetic energy. To obtain the most optimal designs, I used online modelling software to analyze the effect of different shaped spinners on output and wind flow. These were then analyzed based on minimizing the drag coefficient, and analyzing the Tollmien-Schlichting waves (boundary waves). The Reynolds number was used to calculate the type of wind flow. The best performing spinner shapes were picked for testing, and mounted on a 1-meter, 5 bladed turbine. Based on this, the voltage, amperage and wattage were calculated. The first spinner design improved the average output by 6%; the second improved on average by 11%, when compared to the average outputs of the control group. Based on these numbers, the tip speed ratio (TSR), rotations per minute (RPMs), power in the wind, and coefficient of performance (C_p) were calculated to analyze all aspects of the performance when compared to the control group. These findings illustrate the significant effect spinners will have on efficiency for small scale turbines.

GENIUS Olympiad AbstractsNAME: **Elias Kane**

SCHOOL: Fishers Island School, Fishers Island :

TEACHER/MENTOR: Mrs. Carol Giles

TITLE: **Assessing the Efficiency and Ecological Impact of Various Anti-fouling Methods**

Biological fouling, the accumulation of sedentary aquatic micro and macro organisms on submerged surfaces, is a substantial problem faced by the shipping, and aquaculture industries, as well as any water-intake systems, and various ecosystems. In order to combat biofouling, anti-fouling techniques, primarily anti-fouling paint, are used. I studied copper based paint, zinc(ZPT)-based paint, and a weekly fresh water "pressure washing". Four 4 square-foot fiberglass panels were respectively painted with copper, painted with ZPT, and pressure washed weekly, and suspended approximately 5-feet underwater in Pine Island Marina for upwards of a month, in addition to a blank control piece of fiberglass. The rate of fouling growth, measured in biofouling mass, percent coverage, and biodiversity, was used to determine the efficiency of the respective method. The second part of my experiment focused on the ecological impact of each method tested, using a lethal concentration test on Daphnia, a test which determines the required concentration of a chemical, using different tested concentrations and a line of best fit, in order to be lethal to 50% of a species population. My findings indicate that a ZPT-based paint, with only 37.2g of biomass, has the greatest efficiency at preventing aquatic growth, followed by copper with 57.2g, and pressure washing third, with 126.7g, still less than the control's 230.3g. ZPT also had a measurably higher lethal concentration, 0.25mL/L*2Hr and therefore, a lower toxicity, as opposed to that of copper, 0.21mL/L*2Hr. ZPT-based paint proved to be the most effective and most ecologically sound biofouling method.

NAME: **Sumanth Kondapalli**

SCHOOL: Engineering Science University Magnet School, New Haven

TEACHER/MENTOR: Roger Rushworth

TITLE: **How do varying kinds of enzymes effect the efficiency of enzymatic hydrolysis on lignocellulic material to produce cellulosic ethanol through fermentation**

An estimated 323 million tons of cellulose-containing raw materials are thrown away each year in the US alone. Transforming them into cellulosic ethanol using efficient and cost-effective enzymes might provide as much as 30% of the current fuel consumption in the United States while also reducing methane from the decomposition of cellulose based waste. Unfortunately, not enough research has been done in the field of cellulosic ethanol to make it efficient. The purpose of my experiment is to produce the most glucose through efficient hydrolysis and then effectively produce ethanol through fermentation. I used 10 ml of Cellulase, Hemicellulose, Peroxidase and Laccase individually to see which one would yield the highest amount of glucose and then tried a potpourri of them. In the second part of my experiment, I used Saccharomyces cerevisiae and pseudomonas bacillus to see which would ferment the most ethanol from the glucose. My results found that the combination of all the enzymes produced the highest amount of usable glucose while Saccharomyces cerevisiae was the most cost effective way to ferment said glucose into ethanol. Overall I found that the most feasible and cost effective method of producing cellulosic ethanol is through mixing different enzymes and using standard fermentation with Saccharomyces cerevisiae. In future investigations, I hope to find microorganisms which produce their own enzymes or bio-engineer yeast which would produce its own enzyme's which could make the overall process of making cellulosic ethanol not only more efficient but far less time consuming and relatively less expensive. .

GENIUS Olympiad AbstractsNAME: **Jeffrey Osborne**

SCHOOL: Westside Middle School Academy, Danbury

TEACHER/MENTOR: Mr. Neuhausel

TITLE: Harvesting Wind From Street Canyons Using A Double Helix Wind Turbine

My project was built upon a theory or principle that when wind is blown down a city block, it ends up accelerating because wind pours off of buildings and into the main wind stream, accelerating the wind. With little energy resources left, I hope to harness this in a wind turbine that can be placed on stoplights or attached to buildings and many other areas. I designed and built a working model of a double helix “aeroturbine” based off of the double helix wind blade concept, allowing for multi-directional use. This is a necessity in an urban environment. The result of cheap materials and an inventive concept was a surprisingly well functioning wind turbine that harnessed wind from multiple directions and was highly efficient for such a low budget. I had expected to make multiple models and plenty of revisions in order to make a great model but the aeroturbine concept is so effective that hardly any editing was necessary to the original design. The only action I wish I could have taken (and may in the future) was to test this on a real street with real wind, or in other words to test everything as it would be rather than small models and estimations.

NAME: **John Burnett and Austin Huang**

SCHOOL: Science and Technology Magnet High School, New London

TEACHER/MENTOR: Mr. Mulligan

TITLE: Using Heat Sinks In Integrated Photovoltaic Systems To Enhance Hydrogen Production Through Electrolysis

Photovoltaic cells have been the solution to many environmentally hazardous energy resources. The greatest issue has been the cost effectiveness of the cells, and that many homeowners would not get their money back in the terms of energy produced. In this study, the enhancement of hydrogen production through the electrolysis process was tested. A heat lamp was concentrated on a photovoltaic cell that was connected to an electrolysis machine through a heat sink to transfer thermal energy. The amount of hydrogen produced was measured, and the efficiency of the system with and without the heat sink was determined. As a result, the use of a heat sink doubled the amount of hydrogen being produced. The results also showed the efficiency of a photovoltaic cell without the heat sink was 3.13%, whereas the efficiency rose to 6.38% with the heat sink, making the process with the addition of the heat sink much more efficient. With the potential of increasing the efficiency of solar panels, affordable solar hydrogen hybrid systems could be implemented on the residential level.

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Simpson	Amanda	5029	Tsui	Katie	3060
Sinagra	Kristen	3059	Turner	Sadie	2056
Singh	Laekhram	4023	Tyszka	Alice	4033
Sirois	Mary	5511	vanZyl	Steven	6061
Siveyer	Jonathan	3015	Vazquez	Genesis	1017
Siveyer	Steven	3047	Vidal	Jeremiah	2530
Smith	Alexandra	3001	Vinnikov	Yohav	5535
Smith	Dionie	1024	Vipparla	Rachna	5032
Smith	Emma	2539	Viton	Abby	3019
Smith	Mark	5549	Vyas	Brijesh	4023
Smith	Noah	6073	Wada	Alexander	3527
Smith	Patrick	5033	Walker	Matthew	5566
Smith	Rebekah	3515	Wang	David	6501
Smith	Victoria	5531	Wang	Sophia	5541
Snyder	Charles	3070	Wang	Sophie	3098
Snyder	Joshua	3042	Wang	Vivian	3048
Sohn	Byul	6045	Warmus	Alexander	5524
Solano	Nicole	2029	Waskowicz	Caleigh	6009
Solomon	John	6002	Weaver	Gabrielle	4020
Soni	Arun	6502	Wegener	Kate	3520
Soto	Steven	1032	Weinstein	Ryan	3507
Spells	Ke-Aira	5516	Werenski	Jason	3505
Spitale	Jaeden	3517	West	Elyssa	5024
Stackpole	Kassidy	3503	Westbrook	Taylor	6004
Stark	Jake	6509	Westgard	Henry	5504
Stedman	Teagan	3053	Whittle	Madison	2544
Stefani	Agustina	3088	Wicko	Ethan	5514
Stefanou	John	3082	Wildman	Devan	1007
Steinberg	Lilah	5034	Wiliarty	Patrick	2048
Stimpson	Johnathan	3123	Williams	Maeve	4024
Stimson	Autumn	3515	Wolf	Benjamin	2525
Stober	Haley	6057	Wolfram	Greyson	6529
Stollman	Ryan	3529	Wolson	Liam	2044
Stone	Simon	6005	Woo	Derek	3004
Struzik	Emily	5537	Woo	Michelle	3033
Suarez	Madeline	1016	Worthington	Grant	6074
Suarez	Sofia	4012	Wright	Katherine	3520
Subramaniam	Rahul	3081	Wu	Jonathan	6072
Subramanian	Vignesh	5556	Wu	Xuezheng	6047
Sudhir	Neha	3071	Wurms	Jessica	2533
Sun	Katelyn	3014	Wyskiel	Matthew	6030
Sundaram	Shobhita	3065	Xiong	Michelle	3110
Swetzes	Chris	6507	Xu	Shangda	3005
Switz	Mackenzie	3010	Yanagisawa	Kevin	3121
Syme	Gryffin	5035	Yastremski	Nora	2017
Szabados	Amanda	1002	Yerxa	Christopher	6532
Taggart	Thomas	6013	Yetil	Derin	3124
Tajmajer	Jack	4032	Yi	Joo Sung	3111
Tamallanca	Tim	3058	Yin	William	3029
Tassavor	Bryan	3116	You	Victor	4001
Tavakoli	Sara	3095	Young	Juliet	2008
Tempesta	Kyle	3517	Yu	Daniel	5528

Zafar	Baasim	4035	Zhang	Xiaotian	6502
Zaidi	Humza	6507	Zhang	Yiran	3514
Zaidi	Yusuf	2510	Zheng	Teresa	3100
Zaleski	Adam	5018	Zhou	Madeleine	3012
Zaminski	Devyn	6015	Zhou	Yuqi	3510
Zarba	Kurt	6503	Zimmer	Veronica	2040
Zayas	Alysha	2063	Zoghol	Yaman	4028
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