



Connecticut Science Fair

Quinnipiac University

March 11 - 15, 2008

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

Regular Fair Finalists

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

Life Sciences - High School Individual

North Haven North Haven High School Marilynn Kramar

3041 A Numerical Model of Late-Spiking Neurons

Student(s) Fiona W. Wood **Grade** 11 **Town** North Haven

Pfizer Life Sciences Awards 1st Place- Life Sciences Senior High- \$500 & trophy
High School - Medallion
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank
Xerox Computer Science Awards Senior High Finalist - Medallion and Acrylic award
H. Joseph Gerber Medal of Excellence of the Connecticut Academy of Science and Engineering Life Sciences Senior - \$1,000 cash, Solid Silver Medal of Excellence and Invitation to attend CASE's Annual Mtg
Mu Alpha Theta Certificate, \$50 CSF gift certificate
Meyerand Young Woman Scientist Awards \$300 cash - High School, Life Sciences

Greenwich Greenwich High School Andrew Bramante

3021 Tracing the Migration of Pesticides Through the Production of Southwestern Connecticut Honey

Student(s) Eliza H. McNitt **Grade** 11 **Town** Greenwich

Pfizer Life Sciences Awards 2nd Place- Life Sciences Senior High- \$300 & trophy
Audubon Connecticut & Arch Chemicals Environmental Awards 1st Place HS- \$500, Trophy, DVD or book, Audubon mag., mini-carabiner, bird feeder, water bottle, med & acry.
CURE BioBus Educational Programs CURE Award for Research Excellence - HS Life Sciences; Limited edition crystal award; \$50 gift card

Westport Staples High School Dr. AJ Scheetz

3006 Selection of Optimal 5' Exons to Enhance pre-mRNA Splicing

Student(s) Antonella C. Lisanti **Grade** 12 **Town** Westport

Pfizer Life Sciences Awards 3rd Place- Life Sciences Senior High- \$200 & trophy

Greenwich Greenwich High School Andrew Bramante

3048 Tear Content May Predict Vulnerability to Stress Related Disease

Student(s) Sophie H. Vos **Grade** 11 **Town** Riverside

Pfizer Life Sciences Awards 4th Place- Life Sciences Senior High- trophy
U.S. Army \$50 savings bond & Certificate
The Otero Family Award The Otero Family Award; \$150 cash

Westport Staples High School Dr. A.J. Sceetz

3020 Acceleration of Angiogenesis through Novel Protein Delivery Systems

Student(s) Andrew F. Shenoy **Grade** 12 **Town** Westport

Pfizer Life Sciences Awards 5th Place- Life Sciences Senior High- trophy
U.S. Metric Association Certificate & CSF \$50 Gift Certificate.
Connecticut Science Supervisors Association \$125 for a high school project

Connecticut Science Fair

2008 Regular Fair Finalists

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

Glastonbury Glastonbury High School Mrs. Veronica Hanlon

3003 Effect of Food-grade Chemicals on MRSA

Student(s) Amoolya Narayanan **Grade** 9 **Town** Glastonbury

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir

Fairfield Fairfield Warde High School Ms. Faggella

3013 Development of a Therapeutic Nanostructured Smart Gel: A Novel Approach to Chronic Pain Management

Student(s) Anita Gade **Grade** 11 **Town** Fairfield

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
U.S. Department of Health & Human Services Certificate & CSF \$50 Gift Certificate.
U.S. Air Force Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder
Canberra Medical Science Award \$100 Cash and Plaque - For Biomedical Research

Danbury Danbury High School Mrs. La Rosa

3018 The Effects of Potent Toxins on the Emergence and Hatching Development of Artemia.

Student(s) Nicole Goodsell **Grade** 11 **Town** Danbury

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir

East Lyme East Lyme High School Dr. James Michaelson

3022 Development of a Computer Model of Cancer Metastasis to Identify Screening Strategies for Reducing the Lethal Burden of Malignant Melanoma

Student(s) Priya G. Ranade **Grade** 11 **Town** East Lyme

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank High School - Medallion
United Technologies Corporation Awards \$500 in UTC Common Stock, Plaque, Pen and Annual Report
U.S. Army \$50 savings bond & Certificate
American Society for Quality - Thames Valley Section \$300 U. S. Savings Bond
Connecticut Association of Physics Teachers \$100 Senior project

New Canaan New Canaan High School Daniel Eichinger

3034 The Effect of Short-Chain Fatty Acids on Gene Expression in Entamoeba Histolytica

Student(s) Ilya B. Belopolski **Grade** 12 **Town** New Canaan

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
The Gagnon Award for Excellence in the Life Sciences \$100 cash award and certificate

Greenwich Greenwich High School Andrew Bramante

3037 Finding the Optimal Conditions for the Permeation of Insulin through Porcine Intestine and Poultry Skin

Student(s) Eliana N. Carmona **Grade** 11 **Town** Greenwich

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
Society for In Vitro Biology certificate and CSF \$50 gift certificate

Connecticut Science Fair

2008 Regular Fair Finalists

[SchTown] [School] [Teacher]
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Fairfield Fairfield Warde High School Patrice Faggella

3042 The Feed Forward Model Contrast Invariance and Variability in Synaptic Conduance

Student(s) Daniel B. Halpert **Grade** 12 **Town** Fairfield

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir

Brewster Brewster High School Ed Schmidt

3045 Mudslide Mitigation Protocols for Southern California using Enhanced Germination Technologies in Larrea tridentata

Student(s) Dorothy M. Klein **Grade** 12 **Town** Brewster

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
Barnes Aerospace Applied Technology Awards 3rd Place High School - \$ 200 and Trophy
The Goodwin-Niering Center \$100 for "Excellence in Environmental Conservation Studies"

Brewster Brewster High School Mr. Edward Schmidt

3055 A Novel Extraction of the Pyrrolizidine Alkaloids from Petasites hybridus to Create an Anti-Spasmodic Supplement for Equine COPD

Student(s) Alexandra L. Mcle **Grade** 12 **Town** Brewster

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
Quinnipiac University Scholarships \$20,000, 4 year scholarship to Quinnipiac University for High School Student

Greenwich Greenwich High School Andrew Bramante

3058 Comparison of Hexoses and Pentoses in Production of N-butanol by S. cerevisiae fermentation, C. acetobutylicum A.B.E. process, and cocultures of C. sp.

Student(s) Ryan Y. Chou **Grade** 12 **Town** Riverside

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir

Woodbridge Amity Regional High School Ms. Deborah Day

3059 The Effectiveness of Neurological Pitch Memory Using a Computerized Model

Student(s) Ishan Sinha **Grade** 10 **Town** Orange

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir

Storrs E.O. Smith High School Jon Swanson

3061 The Effects of Increased Nitrates on the Growth of Hard and Soft Coral

Student(s) Alyssa Cowles **Grade** 10 **Town** Storrs

Pfizer Life Sciences Awards Finalist - Life Science Senior High - CSF Medallion & Acrylic Award Souvenir
Mystic Aquarium, and Institute for Exploration 4 Admission Tickets to Mystic Aquarium and Institute for Exploration.
Connecticut Valley Biological Supply Company, Inc. \$50 Gift Certificate w/ catalog

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

Life Sciences - High School Teams

Norwich Norwich Free Academy Mr. Roy Wentworth

3512 The Impact of Park Clearing Along the Yantic River on Benthic Macroinvertebrate Populations: Part II

Student(s) **Samantha M. Schoepfer** **Grade** 10 **Town** Bozrah
Heather N. Leask 10 Bozrah

Pfizer Life Sciences Awards 1st Place- Life Sciences Senior High Team- \$500 (split) & trophy
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank High School - Medallion
Long Island Sound Foundation, Inc. \$1000 Life Science/Environmental Science/Physical science
Southeastern New England Marine Educators \$75 award and membership in SENEME - 1st Place Senior
The Stanley Lessoff Award for Excellence In Analytical Technique \$200 Cash and Plaque

Norwich Norwich Free Academy Mr. Croteau

3529 Population Spread and Impact of Galerucella Beetles

Student(s) **Zachary S. Banning** **Grade** 12 **Town** Bozrah
Jessica S. Banning 10 Bozrah

Pfizer Life Sciences Awards 2nd Place- Life Sciences Senior High Team- \$300 (split) & trophy
Barnes Aerospace Applied Technology Awards Senior Finalist - Medallion and acrylic award
Audubon Connecticut & Arch Chemicals Environmental Awards Senior Finalist -mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award

Norwalk Brien McMahon High School Linda Paganini

3509 Will the Increasing CO2 Levels Hinder the Shellfish Ability to Produce Their Hard and Prodproductive Shells?

Student(s) **Spencer L. Horton** **Grade** 12 **Town** Ridgefield
Marianna V. Cordovano 12 Rowayton

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir
Mystic Aquarium, and Institute for Exploration \$100 "Royce E. Gray Memorial Award"

Hamden Sacred Heart Academy Mrs. Brownell

3510 The Effect of Water Pollution on Plant Growth

Student(s) **Colleen E. Roddy** **Grade** 10 **Town** West Haven
Christina D'Agostino 10 Meriden

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

Hamden Sacred Heart Academy Ms. Brownell

3513 The Effects of Everyday Beverages on Composite Fillings

Student(s) **Emma Messore** **Grade** 10 **Town** Hamden
Kyra R. Munzenmaier 10 Wallingford

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

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

Putnam Putnam Science Academy Ahmet Cakar

3519 Yeast to Produce Ethanol Fuel By Using Different Feedstocks

Student(s)	Selman Temel	Grade	10	Town	Putnam
	Ramis Unsur		10		Putnam
	Efe E. Tuncer		10		Putnam

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

Future Sustainability Awards– eesmarks/CT Energy Efficiency Fund High School Finalist - Medallion and Acrylic Trophy

Bridgeport Bassick High School Donna Koolis

3523 Decomposing Leaves

Student(s)	Escarlin Ramirez	Grade	10	Town	Bridgeport
	Nery J. Alfaro		10		Bridgeport

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

Bridgeport Bridgeport Aquaculture School Mr Shadle

3525 A Comprehensive Ecological Baseline Analysis of an Isolated Marsh Grass Ecosystem for the Implementation of a Restoration Program

Student(s)	Joshua S. Villafane	Grade	12	Town	Bridgeport
	Sydney M. Williams		12		Bridgeport
	Brandon A. Simmons		12		Bridgeport

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

Scientific American Certificate & subscription to Scientific American
Long Island Sound Foundation, Inc. \$1000 Life Science/Environmental Science/Physical science

New Haven High School in the Community Todd Solli

3527 Water Pollution in the City of New Haven. Good or Bad?

Student(s)	Katherine A. Nichols Botto	Grade	12	Town	New Haven
	Carmella H. Nichols Botto		12		New Haven

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

Scientific American Certificate & subscription to Scientific American

Putnam Putnam Science Academy Ahmet Cakar

3532 Natural Toothbrush Against Dental Bacteria

Student(s)	Selman Kara	Grade	11	Town	Putnam
	Burak C. Gunay		11		Putnam

Pfizer Life Sciences Awards Finalist - Life Science Senior High Team - CSF Medallion & Acrylic Award Souvenir

Peabody Fellows Program in Biodiversity and Human Health Peabody Museum Award; \$50 check, Membership, relevant book(s), and certificate for Senior Project

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

Life Sciences - Middle School 7th Grade

Windsor Creative Home school Mrs. Aisha Khan

2010 Sugar Powered Future: Constructing an Alkaline Fuel Cell and Operating it with Different Biofuels to Increase Voltage Output

Student(s) Zainab Khan **Grade** 7 **Town** Windsor

Pfizer Life Sciences Awards 1st Place- Life Sciences 7th grade- \$200 & trophy
Barnes Aerospace Applied Technology Awards 1st Place Middle School - \$300 and Trophy
Future Sustainability Awards- eesmarks/CT Energy Efficiency Fund 2nd Place Middle School - \$200 Cash and Trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
FuelCell Energy Fuel Cell Car and Experiment Kit (\$150) + Jacket (\$50) + Pen (\$25) and Certificate

Fairfield Hillel Academy Mrs. Karen Howell

2020 Analysis of Spice Curcumin -- Antioxidant, Antibacterial Agent and Effect on Cell Absorption

Student(s) Micol L. Bedarida **Grade** 7 **Town** New Haven

Pfizer Life Sciences Awards 2nd Place- Life Sciences 7th grade- \$100 & trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
CURE BioBus Educational Programs CURE Award for Research Excellence - MS Life Science; Limited edition crystal award; \$50 gift card
Institute of Food Technologists, Nutmeg Section \$50 award + invitation to dinner for student and 2 guests

Brookfield St. Joseph School Mrs. Belden

2013 Testing Portable Techniques for the Sterilization of Water

Student(s) Austin R. Shepard **Grade** 7 **Town** Brookfield

Pfizer Life Sciences Awards 3rd Place- Life Sciences 7th grade- \$100 & trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition

Danbury St. Joseph School Mrs. Childs

2023 The Effects of Temperature on the Curling of a Rhododendron Leaf

Student(s) Ryan D. Kerr **Grade** 7 **Town** Danbury

Pfizer Life Sciences Awards 4th Place- Life Sciences 7th grade- trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition

Pawcatuck St. Michael School Bernie Petkis

2037 Is It Possible for Soil Contaminated With Oil to Return to Its Original State?

Student(s) Jacqueline Wyper **Grade** 7 **Town** Stonington

Pfizer Life Sciences Awards 5rd Place- Life Sciences 7th grade- trophy
Audubon Connecticut & Arch Chemicals Environmental Awards Junior Finalist - mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
Ricoh Corporation certificate and CSF \$50 Gift Certificate
Air and Waste Management Association, Connecticut Chapter \$100 Junior, Environmental Research, waste recycling related

Connecticut Science Fair

2008 Regular Fair Finalists

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

Westbrook Westbrook Middle School Cathi Lepore

2002 The Effect of Different Sugars on Yeast Activity

Student(s) James E. Porrell **Grade** 7 **Town** Westbrook

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir

Windsor Home School Ambreen Qureshi

2007 Challenges to Pakistani Agriculture: Growing Plants in Salt Affected Soil

Student(s) Marrium Z. Qureshi **Grade** 7 **Town** Windsor

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir
The Randy Gibson Award for Earth Science Research \$100 cash and plaque

Guilford E.C. Adams Middle School Cory Slifstein

2012 The Effect of Time on 1%, 2%, and 4% Cumberland Farm's Milk

Student(s) Melanie L. Groff **Grade** 7 **Town** Guilford

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir

Fairfield Holy Family School Mrs. Kelley Collins

2016 Recycling Greywater

Student(s) Xiomara M. Galeano **Grade** 7 **Town** Bridgeport

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir

Guilford E.C. Adams Middle School Mr. Richard Chocolate

2017 Plant Germination Without Soil

Student(s) Brian D. Marquis **Grade** 7 **Town** Guilford

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir

Woodstock Woodstock Middle School Mrs. Carter

2028 How Different Substances Affect the Oxidation of Fruits.

Student(s) Sarah L. Cook **Grade** 7 **Town** Woodstock

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir
Meyerand Young Woman Scientist Awards \$300 cash - Middle School Life Sciences

Pawcatuck St. Michael School Bernard Petkis

2029 Light Effects

Student(s) Nicole G. Scola **Grade** 7 **Town** Westerly

Pfizer Life Sciences Awards Finalist - Life Sciences 7th grade - CSF Medallion & Acrylic Award Souvenir

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

Life Sciences - Middle School 8th Grade

Fairfield Hillel Academy Mrs. Karen Howell

2538 Analysis of Wetland Dieback of Marsh Spartina Alterniflora on Long Island Sound

Student(s) Sarah D. Kennedy **Grade** 8 **Town** Fairfield

Pfizer Life Sciences Awards Audubon Connecticut & Arch Chemicals Environmental Awards Connecticut Science Teachers Association's Marty Tafel Student Research Award Young Scientist Challenge Society for Science & The Public Middle School Competition Ricoh Corporation Long Island Sound Foundation, Inc. Southeastern New England Marine Educators University Of Connecticut - Plant Science Department Connecticut Association of Biology Teachers Awards	1st Place- Life Sciences 8th grade- \$300 & trophy Junior Finalist - mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award Life Science 8th Grade - \$500 and invite to CSTA Award Banquet Invitation to national Young Scientist Challenge competition Invitation to SPS Middle School National Competition certificate and CSF \$50 Gift Certificate \$1000 Life Science/Environmental Science/Physical science \$75 award and membership in SENEME - 1st Place Junior 1st Place for excellence in Plant Science, \$100 cash and certificate, Jr High \$100 for student and membership in CTABT for teacher
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Plantsville J.F. Kennedy Middle School Mrs. Boulanger

2517 Phonics Phone Phenomenon 2: Articulation Action

Student(s) Emily A. Durocher **Grade** 8 **Town** Plantsville

Pfizer Life Sciences Awards Young Scientist Challenge Society for Science & The Public Middle School Competition Connecticut Association of School Psychologists	2nd Place- Life Sciences 8th grade- \$200 & trophy Invitation to national Young Scientist Challenge competition Invitation to SPS Middle School National Competition \$50 and framed certificate
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Newtown St. Rose Of Lima School Mrs. Dimon

2539 Blooming Biofuel

Student(s) Matt M. Ryan **Grade** 8 **Town** Newtown

Pfizer Life Sciences Awards Young Scientist Challenge Society for Science & The Public Middle School Competition	3rd Place- Life Sciences 8th grade- \$100 & trophy Invitation to national Young Scientist Challenge competition Invitation to SPS Middle School National Competition
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Bozrah Fields Memorial School Evelyn Brown

2533 Hay Quality

Student(s) Jennifer J. Chick **Grade** 8 **Town** Bozrah

Pfizer Life Sciences Awards Young Scientist Challenge Society for Science & The Public Middle School Competition	4th Place- Life Sciences 8th grade- trophy Invitation to national Young Scientist Challenge competition Invitation to SPS Middle School National Competition
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Westport Bedford Middle School Susan Cyrulik/Kim Dolan

2548 The Effect of Different Water Types on Plant Growth

Student(s) Catherine A. Clair **Grade** 8 **Town** Westport

Pfizer Life Sciences Awards Young Scientist Challenge Society for Science & The Public Middle School Competition	5th Place- Life Sciences 8th grade- trophy Invitation to national Young Scientist Challenge competition Invitation to SPS Middle School National Competition
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Connecticut Science Fair

2008 Regular Fair Finalists

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

Danbury St. Joseph School Miss Catherine Ville

2504 Fermentation of Fruits to Produce Ethanol Bio-Fuel

Student(s) Lauren C. Switzer **Grade** 8 **Town** Danbury

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Audubon Connecticut & Arch Chemicals Environmental Awards Junior Finalist - mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award

Fairfield Our Lady of Assumption School Mrs. Almeida

2509 A Quantitative and Qualitative Study on the Effects of Acid Rain on the Soil Organism Lumbricus Terrestris

Student(s) Christopher Costa **Grade** 8 **Town** Trumbull

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Westbrook Westbrook Middle School Heather Scanlon

2518 Is A Carb A Carb? (Carbohydrate Counting vs. The Glycemic Index)

Student(s) Olivia C. Tempesta **Grade** 8 **Town** Westbrook

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Avon Talcott Mountain Academy Jonathan Craig

2527 Backyard Antibiotics

Student(s) Brent A. Murcia **Grade** 8 **Town** Glastonbury

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Peabody Fellows Program in Biodiversity and Human Health Peabody Museum Award; \$50 check, Membership, relevant book(s), and certificate for Junior Project

Stratford Flood Middle School Mr. David Gorski

2529 It's a Jungle Out There? What Effect Does Increasing the Atmospheric CO2 Level have on Plant Growth?

Student(s) Kevin M. Rahrig **Grade** 8 **Town** Stratford

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Audubon Connecticut & Arch Chemicals Environmental Awards Junior Finalist - mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award

Air and Waste Management Association, Connecticut Chapter \$100 Junior, Environmental Research, air pollution related

Windsor Madina Academy Mehwish Amin

2540 What's Eating You?

Student(s) Yamine A. Ali **Grade** 8 **Town** Windsor

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Glastonbury Cogswell Home School Fred Cogswell

2542 Investigating Alternatives to Chemical Insecticides to find Environmentally Safe Ant Repellents

Student(s) Jami R. Cogswell **Grade** 8 **Town** Glastonbury

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

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

West Hartford St. Brigid School Jennifer Bernaiche

2543 A Slicky Situation

Student(s) Gina C. Bettencourt **Grade** 8 **Town** West Hartford

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir
Audubon Connecticut & Arch Chemicals Environmental Awards Junior Finalist - mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award

Norwalk West Rocks Middle School Mrs. Sue DeLong

2549 The Mazing Race (The Study of Small Animal Behavior) To Understand Small Animal Memory Ability Using a Female Hamster Navigating Through Several Mazes With Several Different Variables.

Student(s) William H. Atkin **Grade** 8 **Town** Norwalk

Pfizer Life Sciences Awards Finalist - Life Sciences 8th grade - CSF Medallion & Acrylic Award Souvenir

Life Sciences - Middle School Teams

Fairfield Hillel Academy Mrs. Karen Howell

1012 Analysis of Energy Beverages & Caffeine's Effect on Cell Hydration & Nutrient Bioavailability

Student(s) Jason L. Wiener **Grade** 7 **Town** New Haven
Yaakov Breiner 7 Bridgeport

Pfizer Life Sciences Awards 1st Place- Life Sciences Junior Team- \$100 each & trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
Institute of Food Technologists, Nutmeg Section \$50 award + invitation to dinner for student and 2 guests
Connecticut Science Supervisors Association \$125 for a middle school project

Danbury Rogers Park Middle School Mrs. Zaleta

1008 The Ultraviolet Ultimatum: Do or Die. The Effects of Ultraviolet Radiation on Brassica rapa and Trionfo violetto

Student(s) Michele E. Mikhitarian **Grade** 8 **Town** Danbury
Evan T. Lunt 8 Danbury

Pfizer Life Sciences Awards 2nd Place- Life Sciences Junior Team- \$100 each & trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
U.S. Air Force Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder
Connecticut State Department of Health Labratory Employees \$100 award

Wilton Middlebrook School Susan Lash

1009 What Triggers Short-Term Memory?

Student(s) Paige J. Wallace **Grade** 7 **Town** Wilton
Ashley L. Bascom 7 Wilton

Pfizer Life Sciences Awards 3rd Place- Life Sciences Junior Team- trophy
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
Connecticut Association of School Psychologists \$50 and framed certificate

Connecticut Science Fair

2008 Regular Fair Finalists

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[Proj#] [Project Title]

Danbury St. Gregory The Great School Mrs. Josephine Ferry

1005 TRY TO CATCH YOUR BREATH! How much CO2 is in you?

Student(s) Christie A. Colucci **Grade** 7 **Town** Danbury
Jena M. Mazzucco 7 Danbury

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir

Danbury Broadview Middle School Edie Mullally

1010 Usual Oral Flora

Student(s) Garrett A. Rose **Grade** 8 **Town** Danbury
Nicholas P. Ciliberto 8 Danbury

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir
U.S. Air Force Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder

Bridgeport Bridgeport Hope School Elizabeth Deshotel

1013 Do Stereotypes Influence People?

Student(s) Yenshim J. Watanabe **Grade** 8 **Town** Bridgeport
Emiko E. Corley 8 Bridgeport

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir

Plantsville J.F. Kennedy Middle School Mrs. Christine Boulanger

1015 The Scoop on Soil

Student(s) Amanda M. Snow **Grade** 8 **Town** Plantsville
Sarah X. Feltz 8 Southington

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir
National Oceanic and Atmospheric Administration certificate, medallion, and CSF \$50 Gift Certificate
National Oceanic and Atmospheric Administration certificate, medallion, and CSF \$50 Gift Certificate

West Hartford Solomon Schechter Day School Mr. David Girolamo

1017 Bacteria: Live Free or Die Hard

Student(s) Joshua Benadiva **Grade** 7 **Town** Farmington
David Pearl 7 Manchester

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir

Bridgeport Bridgeport Hope School Elizabeth Deshotel

1018 Bird Color Preference

Student(s) Bonne-Elise Y. Deshotel **Grade** 8 **Town** Bridgeport
Alissa S. Montanaro 8 Bridgeport

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir
Lola Lampe Müller Award \$150 cash for a middle or high school project

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

Plantsville J.F. Kennedy Middle School Mrs. Christine Boulanger

1019 Pollution Solution?

Student(s) Jenna Graziano **Grade** 8 **Town** Southington
Margaret D. Feltz 8 Southington

Pfizer Life Sciences Awards Finalist - Life Sciences Junior Team - CSF Medallion & Acrylic Award Souvenir
American Meteorological Society Certificate & CSF \$50 Gift Certificate
American Meteorological Society Certificate & CSF \$50 Gift Certificate

Physical Sciences - High School Individual

Manchester East Catholic High School Ms. Lesa Milas

6021 Use of Seashells to Detoxify Lead-Contaminated Effluent and Groundwater

Student(s) Theresa A. Oei **Grade** 9 **Town** Hebron

Connecticut Science Center Physical Science Awards with eesmarks/CEEF 1st Place - Physical Science Senior High Individual - \$500 & trophy
Barnes Aerospace Applied Technology Awards 1st Place High School - \$500 and Trophy
Audubon Connecticut & Arch Chemicals Environmental Awards 2nd Place HS- \$200, Trophy, DVD or book, Audubon mag., mini-carabiner, bird feeder, water bottle, med & acry.
Future Sustainability Awards- eesmarks/CT Energy Efficiency Fund High School Finalist - Medallion and Acrylic Trophy
H. Joseph Gerber Medal of Excellence of the Connecticut Academy of Science and Engineering Physical Sciences Senior - \$1,000 cash, Solid Silver Medal of Excellence and Invitation to attend CASE's Annual Mtg
U.S. Army \$50 savings bond & Certificate
Water Environment Federation Certificate, Letter, CSF \$50 Gift certificate, possible advance to further competition
Long Island Sound Foundation, Inc. \$1000 Life Science/Environmental Science/Physical science
Society of Women Engineers - Hartford Section Scientific Calculator

Sandy Hook Newtown High School Mr. Canfield

6027 In Vitro Enzyme-Catalyzed Conversion of Carbon Dioxide to Methanol.

Student(s) Dayton T. Horvath **Grade** 12 **Town** Newtown

Connecticut Science Center Physical Science Awards with eesmarks/CEEF 2nd Place- Physical Science Senior High Individual - \$300 & trophy
Dominion Alternative/Renewable Energy Awards 1st Place High School - \$500 Cash and Trophy
Northeast Utilities: Environmental Management Senior - \$250 Scholarship, energy conservation and renewable energy sources
Dominion Scholarship \$5000 Scholarship

Greenwich Greenwich High School Andrew Bramante

6064 Laser-Induced Motion of A Quantum Dot Colloid

Student(s) George J. Hansel **Grade** 12 **Town** Old Greenwich

Connecticut Science Center Physical Science Awards with eesmarks/CEEF 3rd Place- Physical Science Senior High Individual - \$200 & trophy

Danbury Danbury High School John Larosa

6026 Phytonutrients Ability to Neutralize Free Radicals and Act as Antioxidants

Student(s) Allie Bukowski **Grade** 9 **Town** Danbury

Connecticut Science Center Physical Science Awards with eesmarks/CEEF 4th Place- Physical Science Senior High Individual - trophy
Institute of Food Technologists, Nutmeg Section \$50 award + invitation to dinner for student and 2 guests

Connecticut Science Fair

2008 Regular Fair Finalists

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

Woodbridge Amity Regional High School Young-Wook Lee (Father)

6061 Development of a Radio Controlled Flapping Wing Micro Air Vehicle

Student(s) **Simon J. Lee** **Grade** 9 **Town** Orange

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF 5th Place- Physical Science Senior High Individual - trophy
Barnes Aerospace Applied Technology Awards 2nd Place High School - \$300 and Trophy
U.S. Army \$50 savings bond & Certificate
American Institute of Aeronautics & Astronautics - Connecticut Section \$100 award, certificate
IEEE, Connecticut Section \$100 Honorable Mention gift certificate
Dreams Unlimited \$100 cash award & certificate
The Arthur Mensing Award \$1,000 cash award for excellence in the physical sciences

Greenwich Greenwich High School Andrew Bramante

6003 Energy Extraction from Human Biowaste at Reduced Temperatures

Student(s) **Michael D. Tom** **Grade** 11 **Town** Greenwich

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
Audubon Connecticut & Arch Chemicals Environmental Awards Senior Finalist -mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award
Dominion Alternative/Renewable Energy Awards 3rd Place High School - \$200 Cash and Trophy
Future Sustainability Awards– eesmarkets/CT Energy Efficiency Fund 1st Place High School - \$500 Cash and Trophy
United Technologies Corporation Awards \$500 in UTC Common Stock, Plaque, Pen and Annual Report
Northeast Utilities: Environmental Management Senior - \$250 Scholarship, pollution prevention, source reduction, recycling, min. waste
Chemtura Corporation Awards 1st Place for excellence in chemistry; \$300 and plaque

Guilford Guilford High School Mr. Cuddy

6009 Building and Testing an Inexpensive PCR Machine

Student(s) **Alan P. Weiner** **Grade** 10 **Town** Guilford

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
Barnes Aerospace Applied Technology Awards Senior Finalist - Medallion and acrylic award

Oxford Oxford High School Mr. LaBanca

6017 Gel Point Optimization of Refined Biodiesel

Student(s) **Louis M. Mandeville** **Grade** 9 **Town** Oxford

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
Dominion Alternative/Renewable Energy Awards 2nd Place High School - \$300 Cash and Trophy
Future Sustainability Awards– eesmarkets/CT Energy Efficiency Fund High School Finalist - Medallion and Acrylic Trophy

Connecticut Science Fair

2008 Regular Fair Finalists

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

Sandy Hook Newtown High School Mr. Canfield

6039 Neural Network Robotic Sensory Control

Student(s) Rebecca A. Reed **Grade** 12 **Town** Newtown

Connecticut Science Center Physical Science Awards with eesmarks/CEEF U.S. Army Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps IEEE, Connecticut Section David and Torrey Fenton Awards The John B. Trevor Award for Electrical or Electronic Projects

Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
\$50 savings bond & Certificate
High School- Certificate, \$75.00 gift certificate
\$250 Honors Award gift certificate -Senior
For creative work in the physical sciences- high school; \$200 cash
\$500 Cash Award

Woodbridge Amity Regional High School Ms. Deborah Day

6043 The Distribution of Environmentally Sensitive Metals in the New Haven Green

Student(s) Jiaqi Liu **Grade** 9 **Town** Orange

Connecticut Science Center Physical Science Awards with eesmarks/CEEF Audubon Connecticut & Arch Chemicals Environmental Awards Air and Waste Management Association, Connecticut Chapter University Of Connecticut - Plant Science Department

Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
Senior Finalist -mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award
\$100 Senior, Environmental Research, waste recycling related
1st Place for excellence in Plant Science, \$100 cash and certificate, High School

Danbury Danbury High School Mrs. Larosa

6049 The Creation of Emulsion Between Oil-in-Water Surfactants

Student(s) Shadman Karim **Grade** 10 **Town** Danbury

Connecticut Science Center Physical Science Awards with eesmarks/CEEF Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps

Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
High School- Certificate, \$75.00 gift certificate

Putnam Putnam Science Academy Ahmet Cakar

6051 Selection with Perfect Privacy by using RSA Encryption

Student(s) Mehmet Sencan **Grade** 10 **Town** Putnam

Connecticut Science Center Physical Science Awards with eesmarks/CEEF ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank

Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
2nd Place High School- \$200 Savings Bond, and Trophy, \$300 from Webster Bank

Danbury Danbury High School Larosa

6053 The Effects of Temperature on the Hardenability of Metals

Student(s) Joshua Goldenberg **Grade** 10 **Town** Danbury

Connecticut Science Center Physical Science Awards with eesmarks/CEEF ISA - The Instrumentation, Systems and Automation Society

Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
1st - \$125 award

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

Westport Staples High School Dr. A.J. Sceetz

6057 Analyzing A Nano-scale Patterned Material for Effective Buffer Applications in Photonic Integrated Circuits

Student(s) Garrett J. West **Grade** 12 **Town** Westport

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps High School- Certificate, \$75.00 gift certificate
The Coherent, Inc. Richard Hart Award for Excellence in Photonics \$300 cash, plaque, invitation to lunch and tour Coherent factory

Westport Staples High School Dr. AJ Scheetz

6059 Providing a Detect-and-Verify Framework for Specific Face Detection

Student(s) Zachary I. Weiner **Grade** 12 **Town** Westport

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank 3rd Place High School - Trophy, \$200 from Webster Bank
Xerox Computer Science Awards 3rd Place High School- \$200, Trophy, Medallion, and Acrylic Award
United Technologies Corporation Awards \$500 in UTC Common Stock, Plaque, Pen and Annual Report
U.S. Army silver medallion & Certificate & \$100 savings bond

Watertown The Taft School William Kron

6062 OCR: Handwriting Recognition

Student(s) Matthew A. Petroff **Grade** 9 **Town** Cheshire

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank High School - Medallion
Xerox Computer Science Awards Senior High Finalist - Medallion and Acrylic award
U.S. Army \$50 savings bond & Certificate
IEEE, Connecticut Section \$100 Honorable Mention gift cetificate

Fishers Island Fishers Island School Mrs. Carol Giles

6065 The Slot Effect, Scientific Fact or Sailor's Myth

Student(s) Emily W. Cummin **Grade** 12 **Town** Mystic

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Senior High - CSF Medallion & Acrylic Award Souvenir
United Technologies Corporation Awards \$500 in UTC Common Stock, Plaque, Pen and Annual Report
Meyerand Young Woman Scientist Awards \$300 cash - High School, Physical Sciences

Physical Sciences - High School Teams

Greenwich Greenwich High School Andrew Bramante

6506 New Artificial Turf: Is it Environmentally Friendly?

Student(s) Courtney A. Fogwell **Grade** 12 **Town** Greenwich
Likhitha R. Aidunuthula **Grade** 9 **Town** Greenwich

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF 1st Place- Physical Science Senior High Team- \$500 Cash (split) & trophy
Audubon Connecticut & Arch Chemicals Environmental Awards Senior Finalist -mini carabiner, water bottle, Audubon magazine, CSF Medallion & acrylic award
Water Environment Federation Certificate, Letter, CSF \$50 Gift certificate, possible advance to further competition

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

Putnam Putnam Science Academy Ahmet Cakar

6507 Better Fuel or Better Oxidizer?

Student(s)	Semih Eren	Grade	11	Town	Putnam
	Muhammed Y. Mergen		11		Putnam

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF	2nd Place- Physical Science Senior High Team- \$300 Cash (split) & trophy
Barnes Aerospace Applied Technology Awards	Senior Finalist - Medallion and acrylic award
Future Sustainability Awards– eesmarkets/CT Energy Efficiency Fund	2nd Place High School - \$300 Cash and Trophy
Air and Waste Management Association, Connecticut Chapter	\$100 Senior, Environmental Research, air pollution related

Greenwich Stanwich School Mr. Fletcher

6503 Relating Radiation and the Table of Isotopes to Cold Fusion

Student(s)	Suzanne E. Drennen	Grade	9	Town	Greenwich
	Kevin Scanlan		9		Greenwich

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF	Finalist - Physical Science Senior Team - CSF Medallion & Acrylic Award Souvenir
Dominion Alternative/Renewable Energy Awards	High School Finalist - Medallion and Acrylic Trophy

Glastonbury Glastonbury High School Veronica Hanlon

6509 Stains Away!

Student(s)	Rachel C. Patton	Grade	9	Town	Glastonbury
	Victoria A. Hervieux		9		Glastonbury

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF	Finalist - Physical Science Senior Team - CSF Medallion & Acrylic Award Souvenir
American Society of Safety Engineers, CT Valley Chapter	\$150 grade 9-12 projects + dinner meeting invitation

Hamden Sacred Heart Academy Pamela Brownell

6512 The Affect of Temperature on the pH of Artificial Sweeteners

Student(s)	Rose K. Cersonsky	Grade	10	Town	Oxford
	Roberta N. Delvy		10		Derby

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF	Finalist - Physical Science Senior Team - CSF Medallion & Acrylic Award Souvenir
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Physical Sciences - Middle School 7th Grade

Avon Talcott Mountain Academy Mr. Meredith

5013 Natural Spirals and Mathematical Series

Student(s)	Emily E. Baczyk	Grade	7	Town	Avon
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Connecticut Science Center Physical Science Awards with eesmarkets/CEEF	1st Place- Physical Science 7th Grade Individual - \$200 Cash & trophy
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank	2nd Place Middle School- \$200 Savings Bond, and Trophy, \$200 from Webster Bank
Young Scientist Challenge	Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition	Invitation to SPS Middle School National Competition
IEEE, Connecticut Section	\$100 Honorable Mention gift cetificate

Connecticut Science Fair

2008 Regular Fair Finalists

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

Westbrook Westbrook Middle School Cathi A. Lepore

5002 Wind Turbines - What is the Best Blade Angle?

Student(s) Kathryn H. Cyr **Grade** 7 **Town** Westbrook

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Barnes Aerospace Applied Technology Awards
Dominion Alternative/Renewable Energy Awards
Future Sustainability Awards– eesmarks/CT Energy Efficiency Fund
Young Scientist Challenge
Society for Science & The Public Middle School Competition
Society of Women Engineers - Hartford Section

2nd Place- Physical Science 7th Grade Individual - \$100 Cash & trophy
Junior Finalist - Medallion and acrylic award
Middle School Finalist - Medallion and Acrylic Trophy
Middle School Finalist - Medallion and Acrylic Trophy
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition
Scientific Calculator

Woodstock Woodstock Middle School Christine Carter

5041 How Strong Are Nylon Fishing Lines and Why Are They This Strong?

Student(s) Harrison J. Schroder **Grade** 7 **Town** Woodstock

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Young Scientist Challenge
Society for Science & The Public Middle School Competition

3rd Place- Physical Science 7th Grade Individual - \$100 Cash & trophy
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition

Woodstock Woodstock Middle School Christine Carter

5023 The Effect of pH on Voltage Produced in Batteries (Homemade Batteries)

Student(s) Casandra M. Guilani **Grade** 7 **Town** Woodstock

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Young Scientist Challenge
Society for Science & The Public Middle School Competition
American Society for Metals - Hartford Chapter

4th Place- Physical Science 7th Grade Individual - trophy
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition
\$100 Check

Southington DePaolo Middle School Trish Kenefick

5012 Wild Wind Tunnel

Student(s) Bryson Teel **Grade** 7 **Town** Southington

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
United Technologies Corporation Awards
Young Scientist Challenge
Society for Science & The Public Middle School Competition

5th Place- Physical Science 7th Grade Individual - trophy
\$500 in UTC Common Stock, Plaque, Pen and Annual Report
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition

Kensington St. Paul School James Lundebjerg

5006 Wind Energy

Student(s) Kristen B. Lundebjerg **Grade** 7 **Town** Berlin

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
United Technologies Corporation Awards

Finalist - Physical Science 7th Grade - CSF Medallion & Acrylic Award Souvenir
\$500 in UTC Common Stock, Plaque, Pen and Annual Report

Manchester St. Bridget School Mrs. Kim Maysonet

5014 Ballistic Pendulum

Student(s) Brian T. Bendernagel **Grade** 7 **Town** South Windsor

Connecticut Science Center Physical Science Awards with eesmarks/CEEF

Finalist - Physical Science 7th Grade - CSF Medallion & Acrylic Award Souvenir

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

Windsor Madina Academy Rasha Amir

5019 Solar Cooking

Student(s) Humza Ahmed **Grade** 7 **Town** Windsor

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Mohegan Sun Finalist - Physical Science 7th Grade - CSF Medallion & Acrylic Award Souvenir \$100 Award for Excellence In Earth Science

Pawcatuck St. Michael School Mr. Petkis

5024 Auto vs. Manual: Do the Auto Settings of a Digital Camera Take the Best Photos?

Student(s) Samantha C. Duignan **Grade** 7 **Town** Pawcatuck

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps Meyerand Young Woman Scientist Awards Finalist - Physical Science 7th Grade - CSF Medallion & Acrylic Award Souvenir Middle School- Certificate, CSF \$50 gift certificate \$300 cash - Middle School, Physical Sciences

Trumbull St. Catherine of Siena School Mrs. Shickler

5028 Radiant Energy, Variations among Fixed Solar Arrays and Solar Tracking Systems

Student(s) Kyle T. Ryan **Grade** 7 **Town** Trumbull

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Audubon Connecticut & Arch Chemicals Environmental Awards PowerPlus Engineering, Inc. Award for Sustainable Electrical Energy Research Finalist - Physical Science 7th Grade - CSF Medallion & Acrylic Award Souvenir 3rd Place MS- \$100, Trophy, DVD or book, Audubon mag., mini-carabiner, bird feeder, water bottle, med & acry. \$250 for Excellence in Sustainable Electrical Energy Research

Bozrah Fields Memorial School Mrs. Evelyn Brown

5047 Will You Get Wetter if You Walk or Run in a Rainstorm?

Student(s) Matthew J. Tatro **Grade** 7 **Town** Bozrah

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science 7th Grade - CSF Medallion & Acrylic Award Souvenir

Physical Sciences - Middle School 8th Grade

Trumbull St. Catherine of Siena School Mrs. Shickler

5535 Gyromills; Jetstream Power Plants

Student(s) Adam C. Kee **Grade** 8 **Town** Trumbull

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank Barnes Aerospace Applied Technology Awards Dominion Alternative/Renewable Energy Awards Future Sustainability Awards- eesmarkets/CT Energy Efficiency Fund Connecticut Science Teachers Association's Marty Tafel Student Research Award Young Scientist Challenge Society for Science & The Public Middle School Competition Office of Naval Research on behalf of U.S. Navy / U.S. Marine Corps U.S. Air Force Society of Women Engineers - Hartford Section 1st Place- Physical Science 8th Grade Individual - \$300 Cash & trophy Middle School - Medallion 3rd Place Middle School - \$100 and Trophy 2nd Place Middle School - \$200 Cash and Trophy 1st Place Middle School - \$300 Cash and Trophy Physical Science 8th Grade - \$500 and invite to CSTA Award Banquet Invitation to national Young Scientist Challenge competition Invitation to SPS Middle School National Competition Middle School- Certificate, CSF \$50 gift certificate Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder Scientific Calculator

Connecticut Science Fair

2008 Regular Fair Finalists

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

Danbury St. Joseph School Ms. Catherine Vill

5556 Convert Waste to Energy

Student(s) Narmien Haddad **Grade** 8 **Town** Danbury

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Barnes Aerospace Applied Technology Awards
Audubon Connecticut & Arch Chemicals Environmental Awards
Dominion Alternative/Renewable Energy Awards
Future Sustainability Awards-- eesmarks/CT Energy Efficiency Fund
Young Scientist Challenge
Society for Science & The Public Middle School Competition
Women in Nuclear
Society of Women Engineers - Hartford Section

2nd Place- Physical Science 8th Grade Individual - \$200 Cash & trophy
Junior Finalist - Medallion and acrylic award
1st Place MS - \$300, Trophy, DVD or book, Audubon mag., mini-carabiner, bird feeder, water bottle, med & acry.
1st Place Middle School - \$300 Cash and Trophy
3rd Place Middle School - \$100 Cash and Trophy
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition
\$500 Scholarship
Scientific Calculator

Avon Talcott Mountain Academy Mark Meredith

5540 Determining Thermal Conductivity

Student(s) Alexander Rainville **Grade** 8 **Town** Granby

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
ATOMIC (Associated Teachers of Mathematics In CT) Mathematics Awards Program- with Webster Bank
Young Scientist Challenge
Society for Science & The Public Middle School Competition
Connecticut College-Physics, Astronomy, & Geophysics Dept.

3rd Place- Physical Science 8th Grade Individual - \$100 & trophy
3rd Place Middle School - Trophy , \$100 from Webster Bank
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition
\$100 and certificate, Junior Physics

Newington St. Mary School Mrs. Deborah Giantonio

5534 How do the Various Properties of a Truss Affect its Ability to Carry Loads?

Student(s) Michael A. Mahoney **Grade** 8 **Town** Newington

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Young Scientist Challenge
Society for Science & The Public Middle School Competition

4th Place- Physical Science 8th Grade Individual - trophy
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition

Willington Hall Memorial School Mrs. Laura Rodriguez

5505 Putting Wind to Work: The Efficiency of Windmill Blades

Student(s) Erica N. Tremko **Grade** 8 **Town** Willington

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Barnes Aerospace Applied Technology Awards
Young Scientist Challenge
Society for Science & The Public Middle School Competition
Association for Women Geoscientists

5th Place- Physical Science 8th Grade Individual - trophy
Junior Finalist - Medallion and acrylic award
Invitation to national Young Scientist Challenge competition
Invitation to SPS Middle School National Competition
Certificate + CSF \$50. Gift Certificate

Burlington Har-Bur Middle School Andrew Komar

5523 Which Tree Type Common to Connecticut Produces the Most Heat Energy (BTU) per Volume?

Student(s) Mike Duba **Grade** 8 **Town** Harwinton

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Dominion Alternative/Renewable Energy Awards

Finalist - Physical Science 8th Grade - CSF Medallion & Acrylic Award Souvenir
Middle School Finalist - Medallion and Acrylic Trophy

Connecticut Science Fair

2008 Regular Fair Finalists

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

Hamden Hamden Middle School Greg Colonese

5524 Rocket Aerodynamics and Launch Angles

Student(s) Anthony J. Papale **Grade** 8 **Town** Hamden

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
American Institute of Aeronautics & Astronautics - Connecticut Section
Finalist - Physical Science 8th Grade - CSF Medallion & Acrylic Award Souvenir
\$100 award, certificate

Westbrook Westbrook Middle School Ms. Scanlon

5526 Paints For Your Porch: Impact of Weather on Paint

Student(s) Sarah A. Luft **Grade** 8 **Town** Westbrook

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Finalist - Physical Science 8th Grade - CSF Medallion & Acrylic Award Souvenir

Mystic Mystic Middle School Mrs Kimberly Brandt

5537 The Mythbox: A Portable DVR

Student(s) Michael A. Ciociola **Grade** 8 **Town** Stonington

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Barnes Aerospace Applied Technology Awards
Xerox Computer Science Awards
IEEE, Connecticut Section
Wisner Award
Finalist - Physical Science 8th Grade - CSF Medallion & Acrylic Award Souvenir
Junior Finalist - Medallion and acrylic award
1st Place Middle School - \$300, Trophy and Medallion, and Acrylic Award
\$250 Honors Award gift certificate -Junior
\$500 U.S. Savings Bond and plaque

Stafford Springs St. Edward School Mrs. Hopkins

5541 The Effect of Heat Transfer Mediums on Solar Energy Absorption

Student(s) Chet J. Jambora **Grade** 8 **Town** Stafford Springs

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
Connecticut Clean Energy Fund
Finalist - Physical Science 8th Grade - CSF Medallion & Acrylic Award Souvenir
\$100 and plaque for HS salor energy project

Bozrah Fields Memorial School Mrs. Evelyn Brown

5547 Suspension Bridge Strength

Student(s) Ian D. Dakers **Grade** 8 **Town** Bozrah

Connecticut Science Center Physical Science Awards with eesmarks/CEEF
U.S. Air Force
The National Society of Professional Engineers
Finalist - Physical Science 8th Grade - CSF Medallion & Acrylic Award Souvenir
Certificate, Messenger Bag, padfolio, USB Flash Drive, pen, and WIFI finder
Certificate, Lapel Pin, \$50 CSF gift certificate

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

Physical Sciences - Middle School Teams

Fairfield Hillel Academy Mrs. Karen Howell

4004 Quantitative Analysis of Cellulosic Biofuels and Their Effect on Environment

Student(s) Daniel Salem **Grade** 8 **Town** New Haven
Benjamin M. Ellenberg 8 Easton

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF 1st Place- Physical Science MS Team- \$100 each & trophy
Barnes Aerospace Applied Technology Awards 2nd Place Middle School - \$200 and Trophy
Audubon Connecticut & Arch Chemicals Environmental Awards 2nd Place MS- \$200, Trophy, DVD or book, Audubon mag., mini-carabiner, bird feeder, water bottle, med & acry.
United Technologies Corporation Awards \$500 in UTC Common Stock, Plaque, Pen and Annual Report
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
Chemtura Corporation Awards 2nd Place for excellence in chemistry; \$200 and plaque

Greenwich Stanwich School Mr. Fletcher

4015 Physics Simulations in Computer Science

Student(s) Arthur D. Berman **Grade** 8 **Town** Riverside
Alexander T. Ertel 8 Old Greenwich

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF 2nd Place- Physical Science MS Team- \$100 each & trophy
Xerox Computer Science Awards 2nd Place Middle School - \$200, Trophy and Medallion, and Acrylic Award
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
IEEE, Connecticut Section \$100 Honorable Mention gift certificate

West Hartford St. Timothy Middle School Ms. McNamee

4009 Track the Traction

Student(s) Sarah C. Gillespie **Grade** 7 **Town** Manchester
Anne Higgins 7 West Hartford

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF 3rd Place- Physical Science MS Team- trophy
United Technologies Corporation Awards \$500 in UTC Common Stock, Plaque, Pen and Annual Report
Young Scientist Challenge Invitation to national Young Scientist Challenge competition
Society for Science & The Public Middle School Competition Invitation to SPS Middle School National Competition
American Society of Safety Engineers, CT Valley Chapter \$100 grade 7-8 projects + dinner meeting invitation
David and Torrey Fenton Awards For creative work in the physical sciences- middle school; \$200 cash
Henderson Award CSF \$50 Gift Certificate

Madison Our Lady of Mercy School Rosalie Zonder

4003 Which Truss do you Trust

Student(s) Christopher J. Muckle **Grade** 8 **Town** Madison
Troy M. Hagan 8 Madison

Connecticut Science Center Physical Science Awards with eesmarkets/CEEF Finalist - Physical Science Jr Team - CSF Medallion & Acrylic Award Souvenir
U.S. Air Force Certificate & \$50 gift certificate from CSF

Connecticut Science Fair

2008 Regular Fair Finalists

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

Milford West Shore Middle School Dr. Mary-Ellen Coloski

4006 Hovercraft Mania

Student(s) Kayla M. O'Connor **Grade** 7 **Town** Milford
Sabrina D. Hall 7 Milford

Connecticut Science Center Physical Science Awards with eesmarks/CEEF Finalist - Physical Science Jr Team - CSF Medallion & Acrylic Award Souvenir

Windsor St. Gabriel School Meg Rosa

4016 Solar Cell Optimization

Student(s) Andrew M. Stephens **Grade** 8 **Town** Windsor
Mark A. Mossberg 8 Windsor

Connecticut Science Center Physical Science Awards with eesmarks/CEEF Finalist - Physical Science Jr Team - CSF Medallion & Acrylic Award Souvenir
American Meteorological Society Certificate & CSF \$50 Gift Certificate
UTC Retirees Award in Memory of Arthur E. Mensing \$100 Cash
