

19th Annual Tri-County Science & Technology Fair Award Winners

AWARD	NAME	PROJECT TITLE	SCHOOL
<i>Elementary Biology</i>			
Outstanding	Gili Mundel, Ilana Shecter	<i>How Long Does it Take Bread to Grow Mold at Diff't. Temps</i>	William B Ward Elementary
Excellent	Hideo Ishihara	<i>What kind of liquid does a plant need?</i>	F.E. Bellows
Excellent	Aurora McKee	<i>Can Sugar be replaced by substitutes? The Lemonade Test</i>	Garrison School
Excellent	Solana McKee	<i>Does distraction change pain tolerance in a cold water test?</i>	Garrison School
Excellent	Alexandra Bradley, Zoe Bradley	<i>The Bouba Kiki Effect</i>	Pennington Elementary School
Excellent	Arden Fluet	<i>Why Does Kiani Bark?</i>	Pennington Elementary School
Excellent	Anjali Molina	<i>How Strong is Your Hair?</i>	Rockland Country Day School
Excellent	Vanessa LaVia, Genevieve Pallotta	<i>Mysterious Mold</i>	William B Ward Elementary
<i>Elementary Chemistry</i>			
Outstanding	Mohamad Abdalla, Alex Jones	<i>What kind of paper lights a fire fastest?</i>	F.E. Bellows
Outstanding	Jimmy Ruvituso	<i>Cream of the Gem</i>	St. Patrick's School Bedford
Excellent	Jake Birnbaum, Julian Ferdman, Shiv Khanna	<i>What is the Result When You Mix an Acid with a Base</i>	William B Ward Elementary
<i>Elementary Earth-Space Sciences</i>			
Excellent	Ashley Giannetti	<i>Can static electricity roll a tin can?</i>	F.E. Bellows
Excellent	Benjamin Strol	<i>How do Stalactites grow?</i>	Garrison School
<i>Elementary Engineering & Technology</i>			
Excellent	Zoe Devaney	<i>Making Fingerprints</i>	Pennington Elementary School
Excellent	Fiza Metla, Jack Schlamkowitz	<i>Cell Charging Light and Fan</i>	William B Ward Elementary
<i>Elementary Environment</i>			
Outstanding	Leroy Johnson, Sebastian Valencia	<i>Windmill Generator and Going Green</i>	William B Ward Elementary
Excellent	Sarah Gremelsbacker	<i>Wind Turbines</i>	F.E. Bellows
Excellent	Kate Spillane, Eva Winston	<i>How Does a Hermit Crab React to Environmental Stimuli</i>	William B Ward Elementary
<i>Elementary Physics</i>			
Outstanding	Ryan Boron	<i>"The Flame Game: Playing with Fire"</i>	F.E. Bellows
Excellent	Owen Robertson	<i>If you add weight onto an object and drop it, will it fall faster or slower? What does the speed depend on?</i>	F.E. Bellows
Excellent	Charlotte Dinitz	<i>Properties of Sound</i>	Garrison School
Excellent	Jake Gallin	<i>Albert Einstein and Relativity</i>	William B Ward Elementary

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AWARD	NAME	PROJECT TITLE	SCHOOL
<i>Middle School Biology</i>			
1	Tommy O'Rourke, Danny Wiener	<i>Owls are Carnivores</i>	George Fischer Middle School
2	Jared Yanis	<i>Efficiency of Learning Methods: Reading, Writing, and Listening</i>	Rye Country Day
3	Kaitlin Kablack	<i>What effect do different types of light have on plant development?</i>	St. Theresa School
<i>Middle School Chemistry</i>			
1	Zury Cutler	Properties of a Heron's Fountain	John Jay Middle School
2	Elijah DeRoche	<i>Sour Power</i>	Garrison School
3	Krishna Saraf	<i>The Effect of Protein on Urine pH</i>	Edgemont Jr/Sr High School
3	George Weed	<i>Sauerkraut Fermentation</i>	Garrison School
<i>Middle School Earth Sciences</i>			
1	Jared Ortega, Frank Peters	<i>Mercury Rising</i>	George Fischer Middle School
2	Grace O'Rourke	<i>Acid and Base Reaction</i>	F.E. Bellows
3	August Alexander, Matthieu Opdyke, Matthew Sevush	<i>How Are Crystals Formed</i>	William B Ward Elementary
<i>Middle School Engineering & Technology</i>			
1	Sarah Salimi	<i>Preservatives - Vital or Overrated</i>	Edgemont Jr/Sr High School
2	Teddy Kim	<i>The "I"nergy Generator</i>	PEARLS Hawthorne
3	Rufus Mulhaupt, Raghav Nathan	<i>World's Simplest Motor</i>	Somers Intermediate School
<i>Middle School Environment</i>			
1	Michael Karr	<i>Underwater Plants</i>	Edgemont Jr/Sr High School
2	Aaditya Jain	<i>From Trash to Gas: The Future of Energy</i>	Edgemont Jr/Sr High School
3	Jasmine Dahdal, Zipporah Osei	<i>Going Green As You Clean</i>	PEARLS Hawthorne
<i>Middle School Math & Computers</i>			
1	Niamh Ruane, Katrina Schneider	<i>Kool Kaleidoscopes</i>	George Fischer Middle School
2	Sergio Zygmunt	<i>Middle School Home Access APP</i>	George Fischer Middle School
3	Robert Alter, Michael Quartararo	<i>Are Eyewitness Reports Reliable?</i>	Rye Neck Middle School
<i>Middle School Physics</i>			
1	Griffin Wollowitz	<i>CURVEBALLS</i>	Rye Neck Middle School
2	Alvin John	<i>Absorption of Light</i>	PEARLS Hawthorne
3	Matthew Aber, Thomas Collins	<i>How do sound waves affect the shape of a non-Newtonian Fluid?</i>	Rye Neck Middle School

*** Judge Edith Miller Excellence in Education Award for Top Middle School Award**

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AWARD	NAME	PROJECT TITLE	SCHOOL
<i>High School Biology</i>			
1	Juno Pinder	<i>Investigating the Function of Two Paralogous Mycobacterial Single-strand Binding Proteins in DNA Replication and Repair</i>	Pelham Memorial High School
2	Roger Pellegrini	<i>The Effects of IL-2 Signaling on the Susceptibility of Regulatory T-cells to GITR-Induced Instability</i>	Scarsdale High School
2	Roi Ankawa	<i>Estrogen's Effect on Reelin in the Dentate Gyrus: Implication for Hippocampal Functions</i>	Harrison HS
3	John Young	<i>Monoclonal Antibody J-591 and Imaging Prostate Cancer</i>	Edgemont Sr HS
<i>High School Chemistry</i>			
1	Isaac Marshall	<i>Different Tapes in the Mechanical Exfoliation of Graphene</i>	Edgemont Sr HS
2	Ha Yoon Yang	<i>Biochemical and Structural Characterization of Programmed Death-1 and T Cell Immunoglobulin-3 mutants Category</i>	Pelham Memorial High School
3	Anna Doran	<i>Analyzing the Inhalation of the Binding Between the C-Met Receptor and HGF Ligand</i>	Pelham Memorial High School
<i>High School Earth-Space Sciences</i>			
1	Robert Todd Morse	<i>Stylolites, Stromatolites, and Biological Activity in the 2.7 Billion-Year-Old Meentheena Member of Western Australia</i>	Scarsdale High School
<i>High School Engineering & Technology</i>			
1	Giancarlo Paternoster	<i>Dynamic Suspension Platforms</i>	Scarsdale High School
2	Spencer Lee	<i>Recovering lost energy from a combustion reaction inside of an engine through heat exchange</i>	Scarsdale High School
3	Rahil Dedhia	<i>Analysis of Gallium Nitride Trap Characteristics through DLTS, Capacitance, and IV Methods</i>	Pelham Memorial High School
<i>High School Environment</i>			
1	Rose Gonoud	<i>The Effects of BTI Bacteria on Vernal Pool Environments and the Growth of Amphibians</i>	Mahopac HS
2	Devon Rosh	<i>Heat Gain Through Insulated Glass Affecting a Structure's Internal Temperature and Shading</i>	Yorktown High School
3	Eamon Corbett	<i>The Impact of Invasive Tree Species on Bird Populations in a Northeastern Urban Park</i>	Pelham Memorial High School
<i>High School Health & Medicine</i>			
1	Alvin Modin	<i>A Cost Effective Cytogenic Assay for Analysis and Prognosis of Multiple Myeloma</i>	Pelham Memorial High School
2	Jamie Tanzer	<i>The Role of Bacterial Proteases in the Elicitation of Allergy</i>	Scarsdale High School
3	Lisa Franks	<i>The Role of the IL-13 and IL-33 Pathway in Adenosine Mediated Dermal Filansis</i>	Pelham Memorial High School
<i>High School Math & Computers</i>			
1	Aloh Saffran	<i>Shakespeare's Writprint</i>	Rockland Country Day School
2	Ivan Paskov	<i>Gene Interaction Analysis via Lasso Regression in T-Cell Lymphoblastic Leukemia</i>	Edgemont Sr HS
3	Evan Wong	<i>Conquering Randomness: Using Google to Beat the Stock Market</i>	Rye Country Day School
<i>High School Physics</i>			
1	Alexandra Tartaglia	<i>Analysis of Heart Murmur Sound Waves Predicts the Severity of Mitral Regurgitation as measured by the Echocardiogram</i>	Rye Neck HS
2	Tanay Bhandarkar	<i>Dark Matter Detection in Dwarf Spheroidal Galaxies</i>	Walter Panas HS
3	Alli Wong	<i>Efficiency of a Stationary Bat Wing</i>	Rye Country Day School
<i>High School Psychology</i>			
1	Kuang He	<i>Human Behavioral Learning Patterns in a Categorical Visual Task</i>	Edgemont Sr HS
1	Allyson Pitzel	<i>Helping to Create the Ideal Kindergarten Classroom by Gaining Insight into Early Childhood Personality Types</i>	Yorktown High School
2	Alyssa Martin	<i>The Effect of Synesthesia on the Learning Abilities of Children</i>	Yorktown HS
3	Elizabeth Sillcocks	<i>Is nutrition education in schools causing an increase in the prevalence of eating disorder behaviors in adolescents?</i>	Walter Panas HS

*** Marilyn Reiner Science in Education Award for Top High School Award (Advances to State Level Competition)**