

ANNOUNCING THE 2005 TRI COUNTY SCIENCE & TECHNOLOGY FAIR WINNERS

The Putnam Children's Discovery Center, located at 854 Route 6 Mahopac, New York completed it's twelfth annual **TRI COUNTY SCIENCE & TECHNOLOGY FAIR** held on Saturday April 16, 2005 at The Harvey School Carter Hall Complex (Katonah, NY Eighty Nine (89) awards were given out across the divisions -- elementary; middle school and high school. There were almost 200 participants. The top nine High school winners doing individual research were invited to compete at the Westchester Section Science Congress held in the afternoon. Three of these students were selected to continue on to the NYS level. The three that made the state level invitation were: **Rohit Tejwani** (Yorktown HS); **Ruonan Cheng** (Yorktown HS) and **Michelle Lustrino** (Lakeland HS).

The nine students who went on to the afternoon session were:

Jenna	Lynch	The Effects of Game Playing on the Symptoms and Cognition of Schizophrenia	Yorktown High School
Joe	Charalel	Properties of Connexin 57	Fox Lane HS
Mark	Harris	Regulation of Cell-Cell Interactions by N-Acetylglucosaminyl Transferase III: Implications for Tumor Metastasis	Blind Brook HS
Dan	Baskind	The Potential for Allium sativum to Manage Acute Otitis Media	Walter Panas HS
Ruonan	Cheng	The Identification and Analysis of Mutations in the RP1 Gene for the Creation of the RP Microarray Chip	Yorktown High School
Alexandra	Mcle	Relating Nutritional Imbalances to the Cause of Navicular Disease	Brewster HS
Rohit	Tejwani	The Effects of Lifespan Extension in Caenorhabditis Elegans	Yorktown High School
Vani	Nambudiri	Evidence of Bombesin Receptor Subtype-3 (BRS3) Induced Cell Proliferation and Dimerization of Gastrin-releasing Peptide Receptor (GRPr): Potential Implications of the Bombesin-like Peptide Receptor Family in Novel Approaches to Cancer Treatment	Blind Brook HS
Michelle	Lustrino	The Assessment of Different Geometries of the Closed End of a Thermoacoustic Resonator	Lakeland HS

In honor of Marilyn Reiner, a retired science teacher who ran the high school division afternoon session a special award was created. Marilyn elevated the High School science program at the fair to new levels. This fall, sadly, she passed away unexpectedly. This year's Fair was dedicated to her. The [Marilyn Reiner Science in Education Award](#) will be given out annually to the overall top score in the high school division and that student's school and teacher. This year it went to Michelle Lustrino (student), Lakeland HS (school) and Madeline Borgaro. (teacher)

A special award on the middle school level was created this year after Judge Edith Miler passed away from Alzheimer's. Judge Miller brought herself from a place of poverty to a place of prominence by committing to school and education. She walked with cardboard in her shoes to go to school. She became the first female judge to serve on the Appellate term in the Supreme Court NYS, after being the administrative judge of the Family Court of NYC for over two decades and a Criminal court justice. The award goes to the best overall score on the middle school level, his school and his teacher. The winner of the first [Judge Edith Miller Excellence in Education](#) goes to: Jonathan O'Hanlon (student); Edgemont Jr HS (School), Maria Winston (teacher)

The fair is done with cooperation from the Science Teachers Association of NYS (Westchester Section); the Westchester/ Putnam Technology Educators Association and the Hudson Valley Council of Technical

Societies. The fair is open to all first place winner' grades K-12 from local science fairs in public or private schools in Westchester, Putnam or Rockland Counties, and is supported by private and corporate donations. The 2005 Tri County Science & Technology Fair has corporate support from Grand Sponsors: **POSITIVE MORTGAGE, INDUSTRIAL THEATER INC, MARILYN REINER SCIENCE IN EDUCATION FUND, JUDGE EDITH MILLER EXCELLENCE IN EDUCATION FUND**, additional support from **Consumers Union, Hudson Valley Truck, Todd Newman, CPA, FUJI FILM and STANYS Westchester**. If you are interested in making a tax deductible donation to the 2006 Tri County Science & Technology Fair please forward checks to the Putnam Children's Discovery Center PO Box 222 Carmel, NY 10512 with a memo dedicating the funds for the Tri County Science & Technology Fair, all donations are recognized in a brochure the day of the event. Next year's Tri County Science & Technology Fair is tentatively salted for April 29, 2006, any school in Putnam Westchester or Rockland Counties wishing to send students should contact Janice Newman (845) 276-2076 ext 201 (best time to call 9-11pm at night)

B= Biology P = Physics C = Chemistry PY =
psychology (HS level only)

E= Environment ES = Earth/Space MC= Math/Computers ET =
Engineering/Technology

FIRST PLACE WINNERS HIGH SCHOOL

ET	Michelle	Lustrino	The Assessment of Different Geometries of the Closed End of a Thermo-acoustic Resonator	Lakeland HS
PY	Jenna	Lynch	The Effects of Game Playing on the Symptoms and Cognition of Schizophrenia	Yorktown High School
B	Vani	Nambudiri	Evidence of Bombesin Receptor Subtype-3 (BRS3) Induced Cell Proliferation and Dimerization of Gastrin-releasing Peptide Receptor (GRPr): Potential Implications of the Bombesin-like Peptide Receptor Family in Novel Approaches to Cancer Treatment	Blind Brook HS
MC	Steven	Noll	Variational Calculations for a Spherically Confined Hydrogen Atom & a Spherically Confined Hydrogen Molecular Ion	Edgemont Sr HS

SECOND PLACE WINNERS HIGH SCHOOL

B	Joe	Charalel	Properties of Connexin 57	Fox Lane HS
Py	Lucy	Chow	The Link Between Music, The Brain & The Body	Ramapo HS
ET	Hunter	Young	Bolts to Volts	Brewster HS

THIRD PLACE WINNERS HIGH SCHOOL

B	Mark	Harris	Regulation of Cell-Cell Interactions by N-Acetylglucosaminyl Transferase III: Implications for Tumor Metastasis	Blind Brook HS
---	------	--------	---	----------------

FIRST PLACE WINNERS MIDDLE SCHOOL

E	Rose	Bisogno	What Color is Most Visible in Lakes at Depth?	HH Wells Middle School
---	------	---------	---	------------------------

E	John	Carr	Does the Material of a Paper Airplane Effect Drag and Distance?	HH Wells Middle School
	Julian	Zuluaga	Does the Material of a Paper Airplane Effect Drag and Distance?	HH Wells Middle School
E	Jonath	O'Hanlon	Lima Bean Radiation Experiment	Edgemont JrHS
P	David	Schwartz	Can Magnets Prevent Automobile Accidents?	John Jay Middle School
B	Max	Siegel	Color's Effect on Memory	John Jay Middle School
C	Christia	Stebe-	The Effect of Surfactants on Surface Tension and Oil	Garrison School
M	Alyssa	Trombitas	Word & Color Association	The Harvey School

SECOND PLACE WINNERS MIDDLE SCHOOL

C	Bayan	Baker	Color Confusion	PEARLS Hawthorne
C	Erica	Ocampo	Color Confusion	PEARLS Hawthorne
ES	Ben	Boyd	Electric Generator & Water Turbines	John Jay Middle School
P	Joseph	DelPreto	Hydrogeni From the Factory to the Car	St. Augustine School
P	Trevor	Ladd	Hydrogeni From the Factory to the Car	St. Augustine School
MC	Scott	Haber	It's 8 O'Clock...Do You Know What Your Kids Are Doing?	John Jay Middle School
ET	Brett	Kaplan	Cool Robot Stuff - CRS 1.0	John Jay Middle School
E	V.J.	Seltzer	Oil Removal	The Harvey School
B	Felicity	Sheehy	Resistance is Futile	The Melrose School

THIRD PLACE WINNERS MIDDLE SCHOOL

ES	Kristina	De Palma	What Factors Affect Sizes of Tsunamis?	St Columbanus
P	Jimmy	Espinoza	The Physics of Cheating in Baseball	St. Ann's School
ET	Kelly	Gould	Alternative Energy Sources for Cars	George Fischer MS
ET	Laurel	Lovelett	Alternative Energy Sources for Cars	George Fischer MS
E	Tessa	Rosenstein	Gas-Be-Gone	The Melrose School
MC	Zachary	Silva	Pump It Up	The Melrose School
B	Tara	Suri	Operant Conditioning: Who Learns Faster	Edgemont JrHS
C	Jennifer	Weiss	Peanuts with Potential	The Melrose School

ELEMENTARY OUTSTANDING AWARDS

B	Anne	Burns	How Are Nerve Receptors Integrated & Distributed in the Human Body	St. Joseph's School
B	Keely	Chisholm	The Effects of Gender on Short Term Memory	St. Joseph's School
ES	Reinier	Eenkema van Dijk	Does the Positioning (Angle), size or amount of Blades Affect How Much Energy the Windmill Produces?	F. E. Bellows
C	Stefanie	Kligman	How Can We Test if a Substance is an Acid or a Base Without Eating It?	F. E. Bellows
B	Zoe	Levine	Starch Eating Mold	Rockland Country Day School
B	Skye	Malone	Understanding Asthma	PEARLS Hawthorne

ES	Richard	Randolph	How Deep Should Radish Seeds Be Planted for the Best Growth	The Melrose School
B	Matthew	Sickles	What Happens If You Put a Flower in Colored Liquid?	F. E. Bellows
C	Kathleen	Treganowan	Color You See Is Not Always Color You Get	PEARLS Hawthorne
B	Clara	Zander	Scent or Memory	The Melrose School

ELEMENTARY EXCELLENT AWARDS

C	Annemarie	Casale	Fruit and Vegetable Power	St Columbanus
P	Dominque	Castro	Air Pressure	St. Ann's School
B	Ethan	Cohen	What Happens to Batteries in Soil	Rockland Country Day School
MC	Hank	Cohen	How Does Light Refract Through Different Liquids?	F. E. Bellows
ET	Gilian	Costallos	The Table Waiter	Rockland Country Day School
C	Shannon	Cox	Color My World	St. Ann's School
B	Lianna	Culp	Hermit Crabs and Birds	Garrison School
B	James	Curran	Aggressive Behavior in Betta Splendors	St Columbanus
P	Thomas	Eng	Under What Circumstances Do Objects Float in Water?	F. E. Bellows
ES	Raymond	Fennell	The Accuracy of the 7 day Weather Forcast	St. Joseph's School
P	Jennifer	Foran	Lighting a Lightbulb and Digital Watch Using a Lemon, an orange and a potato	The Melrose School
ET	Laura	Griffiee	The Vortex of a Tornado	The Melrose School
ES	Dylan	Heuer	A Faucault Pendulum	PEARLS Hawthorne
P	Peter	Hoffman	Bats	Garrison School
C	Emma	Jacoby	Yeast Feast	Garrison School
C	Jamal	Jenkins	Growing Crystals	PEARLS Hawthorne
C	Sara	Locascio	How Beverages Effect the Whitness of Teeth	The Melrose School
C	Marie	Lynch	Invisible Ink	St. Ann's School
B	Kadence	Neill	A Dog's Response to Music	Garrison School
MC	Sarina	Perera	Does Temperature Affect Magnrtic Strength	The Melrose School
ES	Jamie	Pohs	Seismograph	Rockland Country Day School
ET	Gregory	Pon	What Affects the Way a Wireless Telegraph Works?	F. E. Bellows
P	Caitlin	Quian	Balloon in a Bottle	St. Ann's School
P	Chemdiya	Reed	Blow a Bubble	Rockland Country Day School
C	Michele	Sikora	Color You See Is Not Always Color You Get	PEARLS Hawthorne
E	Grace	Sinfield	Choosing a "Good" Rug Cleaner	The Melrose School
C	Polina	Svensson	Testing for Hard Water	Rockland Country Day School
E	Alexandra	Tartaglia	Can New Plants Be Grown From Pieces of Old Plants?	F. E. Bellows
P	Joyce	Thomas	Soap Power on Surface Tension	St Columbanus
E	Sarah	Trifone	Hydroponics	St Columbanus