

TRI COUNTY SCIENCE & TECHNOLOGY FAIR

PUTNAM <> WESTCHESTER <> ROCKLAND

Organized by *The Putnam Children's Discovery Center, Inc.*

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April 19, 2004

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ANNOUNCING THE 2004 TRI COUNTY SCIENCE & TECHNOLOGY FAIR WINNERS

The Putnam Children's Discovery Center, located at 99 Towners Rd Kent Lakes (Carmel), New York completed it's elventh annual **TRI COUNTY SCIENCE & TECHNOLOGY FAIR** held on Saturday April 17, 2004 at The Harvey School Carter Hall Complex (Katonah, NY Sixty Seven (67) awards were given out across the divisions -- elementary; middle school and high school. There were over 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. The nine students who went on to the afternoon session were: Brian Rosenberg (Blind Brook HS); Matthew Nutly (Nanuet HS); Rohan Joshi (Yorktown HS); Ashley Amini (Yorktown HS); Komal Shah (Yorktown HS); Amit Patel (Yorktown HS); Rohini Rau-Murthy (Yorktown HS); Ruonan Cheng (Yorktown HS); Lauren Taub (Yorktown HS) Three of the nine will be selected to represent Science Teachers Assn Westcheser Section in the NYS Science Congress in May.

FIRST PLACE HIGH SCHOOL WINNERS

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
1	Biology	Brian Rosenberg	N-Methyl-D-Aspartate Receptor Abnormalities in a Mouse Model of Velo-Cardio-Facial Syndrome: Implications for Schizophrenia	Blind Brook HS
1	Psychology	Matthew Nutly	The Correlation Between Musical Pitch Perception and Spatial Reasoning Ability	Nanuet SR HS
1	Environment	Komal Shah	Accumulation of the Trace Metals in Callinectes Sapidus and their Effect on Human Consumption	Yorktown HS
1	Engineering/ Technology	Amit Patel	Universal Injury Immobilization Device: An Effective Tool for Inquiry Management	Yorktown HS
1	Chemistry	Orlando de Leon	Complexation of C 60 With Amphiphilic Nanobowl	Gorton HS

SECOND PLACE HIGH SCHOOL WINNERS

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
2	Biology	Rohan Joshi	Discovering Effective Methods for Treating Type 2 Diabetes Using Current Obesity Methods	Yorktown HS
2	Psychology	Rohini Rau-Murthy	Implicit Math Cognition	Yorktown HS
2	Chemistry	Noelle Scoca	UVB Effects on Gene Signals from Ex Vivo Human Epidermis	Mahopac HS
2	Engineering/ Technology	Catherine Sullivan	Direct Oxidation of Pure Jet Fuel in a Solid-Oxide Fuel Cell	Mahopac HS

High School Winners Continued

THIRD PLACE HIGH SCHOOL WINNERS

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
3	Biology	Ashley Amini	Systematic Probing Reveals the Requirements of the PI(3)K/AKT/MTOR Pathway in Genetic Signature of Muscle Hypertrophy	Yorktown HS
3	Engineering/ Technology	Lev Wechsler	Navigating Robot	Lakeland HS

Honorable Mention:

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
HM	Biology	Ruonan Cheng	The Molecular Diagnosis of Retinitis Pigmentosa	Yorktown HS
HM	Biology	Lauren Toub	The Effects of the Choroid Plexus on Neurons from the Cerebral Cortex in the Mammalian Brain	Yorktown HS

** please note students are not obligated to go to the afternoon competition, this third place winner opted not to attend that session, but please recognize her as she won third in the HS Biology.

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 winners 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 2004 Tri County Science & Technology Fair has corporate support from Grand Sponsors: **INDUSTRIAL THEATER INC, POSITIVE MORTGAGE (NYC)**, additional support from **Consumers Union, Meteorological Evaluation Services, Inc. Milea Hudson Valley Truck, Todd Newman, CPA, Judge Edith Miller and STANYS Westchester.** If you are interested in making a tax deductible donation to the 2005 Tri County Science & Technology Fair please forward checks to the Putnam Children's Discovery Center 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 scheduled for April 16, 2005, any school in Putnam Westchester or Rockland Counties wishing to send students should contact Janice Newman (845) 276-2076

SEE EXCELL SPREADSHEETS FOR WINNERS

*Please note you may wish to publish winners from your immediate area -- we therefore have included each student's school .
Plus a list of Schools and their towns*

MIDDLE SCHOOL RESULTS:

MIDDLE SCHOOL FIRST PLACE

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
1	Biology	Alex Mcle	How to Prevent Colic in Horses	
1	Chemistry	Ash Branson	Comparison of Different Materials Us to Make Biodiesel	
1	Environment	Austin Ebbott	Acid Rain	
1	Math/Computers	Cale Israel	Mobius Mania	

1	Physics	Eric Legunn	Wind Turbines Can Be Used to Boost Electric Car Battery Capacity
1	Earth/Space	Ben Boyd	Skyscrapers
1	Engineering/Technology	Michaela Martin-Rollins	The Need for Speed

MIDDLE SCHOOL SECOND PLACE

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
2	CHemistry	Amanda Malone	Toothpaste Tester	
2	Environment	Sara Friedhoff	Are You Really Clean?	
2	Math/Computers	Dorothy Klein	Mud Slides	
2	Physics	Charlie Spatz	Natural Fibers and Insulation	
2	Earth/Space	Angela Claffey	Hydroponics	
2	Engineering/Technology	Taylor Roth	3-D Stereoscopic Viewer	
2 Td	Biology	David Schwartz	Can Human Saliva Control the Growth of Bacteria	
2 Td	Biology	Veronica Seltzer	Finding Nemo: Coral Reef Growth	

MIDDLE SCHOOL THIRD PLACE

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
3	Biology	Lileana Krenza	Cerebral Differences in Age Groups	
3	Chemistry	Tom Flynn	Great Bowls of Fiber	
3	Environment	Caitlin Fischetti	Hatching Chicks	
3	Math/Computers	Erica Pettersen	Why Can't We Find Things	
	Physics	Amanda Saperstein	How Does Lacquer Finish Affect Tone Quality of Violins	
3	Earth/Space	Hannah Vazquez	Pendulums and Rotation	
3	Engineering/Technology	Nina Kogekar	Parachutes	

ELEMENTARY RESULTS

BIOLOGY

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Excellent	Biology	Katherine Aguilar	How Do Plants Grow?	St Ann's Parish School
Excellent	Biology	Samantha Brown	Does Mold Grow Differently on Different Types of Bread?	Melrose School
Outstanding	Biology	Dylan Culp	Gone Bananas	Garrison School
Outstanding	Biology	Alexander Greenhill	Can Birds Distinguish Between Different Tastes?	F.E. Bellows
Excellent	Biology	Kenariya Hillier	Which Liquids are Most Harmful to Bones?	St Ann's Parish School
Outstanding	Biology	Valerie Kropf	Analyzing Side Dominance	St Columbanus
Outstanding	Biology	Roshan Nair	Cell Membranes When Exposed to Acidic Environment	PEARLS Hawthorne

CHEMISTRY

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Excellent	Chemistry	Suly Cox	Do Fruits or Vegetable Have Acid?	St Columbanus
Excellent	Chemistry	William Crockatt	Testing for Vitamin C	St Joseph's School
Excellent	Chemistry	Robert Holloman	What Helps Crystals Grow Better?	F.E. Bellows
Outstanding	Chemistry	Saltzman McCall	Blueberries Be Gone	Melrose School
Outstanding	Chemistry	Alexander Gallinari, Jamal Gaynor	Soda Pop	PEARLS Hawthorne

EARTH / SPACE

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Excellent	Earth/Space	Ryan Siobhan	How Do Different Materials Affect The Flame of a Fire?	Melrose School
Excellent	Earth/Space	Michaela Spencer	How Different Lights Affect Goldfish?	St Columbanus
Outstanding	Earth/Space	William Stetson	How Does Weight Affect a Rocket's Flight?	F.E. Bellows

ENGINEERING / TECHNOLOGY

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Excellent	Engineering/Technology	Briana Tom	Which Materials Make Good Insulators?	Melrose School
Excellent	Engineering/Technology	Peter Andolina	Shedding Light on Electricity	St Columbanus
Outstanding	Engineering/Technology	Matt Donovan	Structure Design	Garrison School
Excellent	Engineering/Technology	Carly Salloway	Advertising & Science	St Ann's Parish School
Outstanding	Engineering/Technology	Carolyn Wright	The Audio / Visual Advertisement	Rockland Country Day

ELEMENTARY RESULTS CONTINUED

ENVIRONMENT

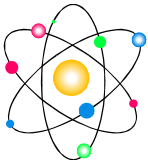
AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Excellent	Environment	Daniel Bagot	Acid Rain	St Columbanus
Outstanding	Environment	Kimberly Bruenn	Which Organic Fertilizer is the Best for Growing Tomato Plants?	St Joseph's School
Outstanding	Environment	Julia Foote	Static Electricity	Melrose School
Excellent	Environment	Samantha Salloway	Acid Rain	St Ann's Parish School

MATH / COMPUTERS

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Outstanding	Math/Computers	Hallie Farber	Lasers	Melrose School
Excellent	Math/Computers	Kelsey Lloyd	Reaction Time	St Columbanus

PHYSICS

AWARD	CATEGORY	Name(s)	PROJECT TITLE	SCHOOL
Excellent	Physics	Isabella Bergamin	What is a Hydrometer?	St Ann's Parish School
Outstanding	Physics	Keriann Eliseo	Magnifying with Water	St Joseph's School
Outstanding	Physics	Khatiti Harper, Monique Thevenin	Bubble-Ology	PEARLS Hawthorne
Outstanding	Physics	Adam Rivera	Bubblorama	St. Columbanus
	Physics	Catherine Kastberg	Which is More Dense: Salt Water or Fresh Water?	St Joseph's School
Outstanding	Physics	Adam Quarrato	Is It Refreshing?	St Columbanus
Outstanding	Physics	Alex Silva	Friction	Melrose School
Excellent	Physics	Raymond Weinberg	What Items Conduct Electricity, and Among the Electrical Conductors, is there a Measurable Difference in the Level of Resistivity?	F.E. Bellows



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2004 TRI COUNTY SCIENCE & TECHNOLOGY FAIR PARTICIPATING SCHOOLS

Blind Brook High School	Rye Neck	NY
Brewster High School	Brewster	NY
FE Bellows School	Mamaroneck	NY
Garrison School	Garrison	NY
George Fischer Middle School	Carmel	NY
Gorton High School	Yonkers	NY
H.H. Wells Middle School	Brewster	NY
Iona Grammar School	New Rochelle	NY
John Jay Middle School	Katonah	NY
Lakeland High School	Peekskill	NY
Mahopac High School	Mahopac	NY
Nanuet Senior High School	Nauet	NY
PEARLS	Yonkers	NY
Ramapo Sr. HS	Spring Valley	NY
Rockland Country Day School	Congers	NY
Scarsdale High School	Scarsdale	NY
St. Ann's Parish School	Ossining	NY
St. Columbanus	Cortlandt Manor	NY
St. Joseph's School	Croton Falls	NY
St. Theresa's School	Briarcliff Manor	NY
The Harvey School	Katonah	NY
The Melrose School	Brewster	NY
Walter Panas High School	Peekskill	NY
Yorktown High School	Yorktown	NY