Al Kalfus Long Island Math Fair
April 28, 2017
Preliminary/Final Round
Hofstra University

Long Island Math Fair Committee

Alan Blayne, Christine Brown, Jerry Chen, Ian Dunst, Arulappah Eswarathasan, Martha Green, Lynda Hennig, Lucille Hunter, Richard Hunter, Nat Janoff, Marlene Kalfus, M.C. Kim, Maxine Lifshitz, Christine Pette, Joseph Quartararo, Paulette Quartararo, Jane Sessler, Sylvia Silberger, Terry Springer, Charles Windwer

In Memory of our Founder Alfred Kalfus

Long Island Math Fair Sponsors

Hofstra University and the Suffolk County Mathematics Teachers Association, the Nassau County Mathematics Teachers Association, and the Nassau County Association of Mathematics Supervisors

Program

Hofstra University

Multipurpose Room- grades 7, 8, 9 and Teams

Little Theatre- Grade 10, 11, 12

Students Check Room Assignments: 3 pm

Judging Preliminary Round: 3:30 pm

No Awards Assembly

Building Key

BR	Breslin	37	BRW	Brower	41	C	Calkins	33
D	Davison	28	GAL	Galwing	44	HE	Heger	43
L	Lowe	24	N	Netherlands	11	R	Roosevelt	34
S	Starr	62	SC	Student Cntr	13	A	Adams	23

Special Thanks

We would like to give special thanks to Arulappah Eswarathasan and Sylvia Silberger for all the on-site planning at Hofstra University for this year's Fair.

Judge		School
Akbik	Safwan	Hofstra University
Ambrose	Maryrose	The Wheatley School
Appel	Charles	Lawrence High School
Arengo	Sebastian	Long Beach Middle School
Armstrong	Lillian	Jericho High School
Bambrick	Liam	North Shore Middle School
Barbarette	Rick	Lawrence High School
Barrera	Christina	Manhasset Secondary School
Beleckas	John	The Wheatley School
Bellissimo	Casy	Oceanside High School
Benos	Melinda	Hicksville Schools
Braun	Mardi	Roslyn High School
Bruno	Josephine	Herricks Middle School
Bulawa	Andrew	SUNY College at Old Westbury
Calderaro	Lauren	Hicksville Schools
Callahan	Chris	Roslyn High School
Candalino	Leigh	Herricks High School
Capella	Nicole	South Woods Middle School
Carlson	Michael	East Moriches Middle School
Carman	Mark	Roslyn High School
Carnes	Melissa	Jericho High School
Cascone	Chris	Northport High School
Castillo	Belen	Roslyn Middle School
Chae	John	Syosset High School
Contrada	Nicole	Manhasset Secondary School
Cooper	Dave	Herricks Middle School
Corona	Ed	North Shore High School
Cote	Maria	Herricks High School
Curran	Eileen	Holy Trinity High School
Decicco	Michele	Herricks Middle School
DeMarinis	Dr. Matthew	Jericho High School
DeSousa	Natasha	Woodland Middle School
Dic	Meredith	Syosset High School
DiMeola	Amy	North Shore Middle School

Judge		School
DiVenuto	Ray	Schreiber High School
Edelman	Marc	Roslyn High School
Faibish	Renee	HAFTR
Falcone	Tiffany	North Shore Middle School
Ferraro	Mariangela	North Shore Hebrew Academy
Fonseca	Loretta	Roslyn Middle School
Frayler	Kristin	North Shore Middle School
Gadamowitz	Robert	The Wheatley School
Gallagher	Tina	Schreiber High School
Ganzakev	Geri	Schreiber High School
Garry	Sherryl	Oceanside High School
Gazzola	Debbie	Thompson Middle School
Gentile	Danielle	Woodland Middle School
Getchell	Donna	Garden City High School
Gill	Colleen	Holy Trinity High School
Giunta	Meghan	Manhasset Secondary School
Gizzi	Gabbie	Roslyn Middle School
Goldbeck	Dan	Syosset High School
Gomez	Annemarie	Holy Trinity High School
Gordon	Marissa	Oceanside High School
Gorman	Bryan	Schreiber High School
Governale	Tim	South Woods Middle School
Greene	Nora	North Shore Hebrew Academy
Greenwell	Raymond	Hofstra University
Gunn	Ronnie	Herricks High School
Halpin	Pam	North Shore Middle School
Hart	Stacy	Herricks Middle School
Hartofylakas	Idyle	Kennedy High School
Hauser	Elizabeth	Syosset High School
Hayes	Peter	SUNY College at Old Westbury
Herber	Jennifer	
Ho	Trisha	Herricks High School
Holland	Wendy	Hicksville Schools
Huntley	Renee	Roslyn Middle School

Judge		School
Javardi	Mohammad	Nassau Community College
Kadri	Kadir	Herricks Middle School
Kalish	Arthur	SUNY College at Old Westbury
Kamarer	Liz	Schreiber High School
Keenan	Dave	North Shore Middle School
Khan	Alyssa	Herricks Middle School
Koenig	Rich	Manhasset Secondary School
Labrocca	Ron	Hicksville Schools
LaGattuta	Genevieve	Kennedy High School
Lee	Soowook	Roslyn High School
Lester	Terri	East Meadow High School
LiBassi	Mindy	Western Suffolk BOCES
Lima	Tara	Clarke High School
Loughran	Rosaleen	Roslyn High School
Mann	Lauleen	Garden City High School
Mantel	Abe	Hofstra University
Marc	Susan	Kennedy High School
Marks	Casey	The Wheatley School
Mauer	Tara	Oceanside High School
Maus	John	North Shore High School
Maus	Stacey	Thompson Middle School
Mazzarino	Christine	Lawrence High School
McComsey	Jessica	Lawrence High School
McNally	Kevin	Syosset High School
McNamara	Paul	Thompson Middle School
Mendez	Lissette	Lawrence High School
Middleton	Ryan	Northport High School
Milana	Nancy	Manhasset Secondary School
Modiano	Jeffrey	Garden City High School
Morrow	Josh	Hicksville Schools
Moss	William	Lawrence High School
Murthy	Geetha	Herricks Middle School
Ninan	Melissa	Lawrence Middle School
O'Donnell	Mary Lou	Kennedy High School

Judge		School
O'Hara	MaryRose	Holy Trinity High School
Oskowski	Melissa	Oceanside High School
Osuno	Uzo	Nassau Community College
Pace	John	North Shore Middle School
Palko	Jenna	Garden City High School
Parisi	Grace	Long Beach Middle School
Passarella	Alessandria	Our Lady of Mercy Academy
Pellett	MaryClare	Holy Trinity High School
Pesce	Virginia	Lawrence High School
Petras	Laura	Manhasset Secondary School
Phillips	David	
Pisciotta	Deanna	Woodmere Middle School
Polan	Sondra	East Meadow High School
Poris	Beth	MacArthur High School
Pournazari	Mahmood	Nassau Community College
Prevete	Deena	Elmont Memorial High School
Prizzi	Leanne	Jericho High School
Reyes	Tiffany	Oceanside High School
Ring	Paul	Clarke High School
Ringhoff	Lisa	East Moriches Middle School
Risi	Ernie	Woodland Middle School
Rizzacasa	Michelle	North Shore Hebrew Academy
Roethel	Chris	Nassau Community College
Rogala	Brook	North Shore High School
Ruczaj	Brittany	MacArthur High School
Salatti	Christopher	Holy Trinity High School
Santoro	Peter	Garden City High School
Saraceni	Sal	Lawrence High School
Scala	Maryellen	Garden City High School
Scansbrick	Colleen	Lawrence Middle School
Schorn	Alan	Great Neck North High School
Schum	Robin	Roslyn Middle School
Scott	Erik	Roslyn Middle School
Silagy	Alyson	Jericho High School

Judge		School
Silverstein	Lauren	Thompson Middle School
Silverstone	Robert	Hofstra University
Simon	Samantha	Roslyn High School
Sinclair	Marissa	Jericho High School
Sinn	Tara	Kennedy High School
Sklar	Neil	SUNY College at Old Westbury
Skurnick	Ron	Nassau Community College
Smith	James	Oceanside High School
Soto	Marisol	Lawrence High School
Spiegel	Elizabeth	Herricks High School
Stack	Carolyn	Roslyn High School
Steffens	Josh	Roslyn Middle School
Stramiello	Dennis	Nassau Community College
Straub	Ryan	Elmont Memorial High School
Sundberg	Brian	Northport High School
Talibon	Janelle	South Woods Middle School
Tallarine	Lauren	Manhasset Secondary School
Tantleff	Susan	Oceanside High School
Teseo	Robert	The Wheatley School
Turato	Nicole	Herricks Middle School
Valentino	Mark	Roslyn High School
Vallone	Joseph	Suffolk Community College
Walker	Cory	South Woods Middle School
Wallad	Carrie-Ann	Herricks High School
Walsh	Patrick	East Meadow High School
Wankel	Charles	North Shore High School
Wayne	David	Hofstra University
Wecksell	Marilyn	Manhasset Secondary School
Wieckhorst	Joseph	Lawrence Middle School
Wilson	Laura	North Shore Middle School
Winters	Jessica	Kennedy High School
Wolford	Adam	Schreiber High School
Wong	Nicole	Syosset High School
Young	Diana	Garden City High School

Judge		School
Zahn	Betsy	Jericho High School

Last Name	First Name	Grade	Team	Topic	Room #
Bethpage HS					
Maiti	Soham	10		Credit Risk: The Mathematics of Capital Allocation in the Banking I	S103
Clarke HS					
Anest	Kaylin	10		Optical Illusions	S107
Breviario	Gabby	10		The Parallax Method	S108
Huda	Shayan	10		Rubik's Cube	S109
Mathew	Joel	10		Fractals	S201
East Meadow HS					
Fong	Alyssa	9		Trigonometry in Blood Splatter Analysis	BR106
Froehlich	Vanessa	9		Continuity and Differentiability	BR112
Kuruvilla	Alvin	9		Fractals and Cancer	BR200
Pandey	Ikshu	9		Math in Amusement Parks	BR206
Pienkowski	Mateusz	9		Mathematics in Animation	BR208
Arora	Anusha	10		Algebraic Topology	S202
Lopez	Laura	10		Black Holes	S203
Ali	Mehrin	11		Music and Physics	GAL013
Diamond	Jordan	12		Related Rates	A200
Floody	Erin	12		The Mathematics of Bouncing Balls	A209
Sugrim	Kirkland	12		The Applications of Origami	A212
Uppal	Nikita	12		The Mathematics of Tae Kwon Do	GAL018
East Moriches MS					
Giacchetto	Michael	8		NBA Statistics	BR013
Volpe	Stefano	8		Astronomy	BR014
Carlson	Aidan	8	Team A	Fibonacci Sequence	SC143
Hawkesworth	Jade	8	Team A	Fibonacci Sequence	SC143
Paulson	Jane	8	Team A	Fibonacci Sequence	SC143
Gaita	Domenick	8	Team B	Pascal's Triangle	SC218
Gallarello	Taylor	8	Team B	Pascal's Triangle	SC218
Elmont Memorial HS					
Hopkinson	Eve	8		Rubics Cube	BR015
Lekhraj	Arianna	8		Golden Ratio	BR016
Meikle	Hannah	8		Fibonacci Numbers	BR018
Pinzon	Lina	8		Imaginary Numbers	BR019
Shahid	Shazman	8		Pascal's Triangle	BR020
Marcello	Christiano	9		Math and Architecture	BR209
Sultana	Munahil	9		Statistics	BR211
Adiele	Bethel	10		Golden Ratio	S204
Munn	Brianna	10		Math and Aerodynamics	S204A

Last Name	First Name	Grade	Team	Topic	Room #
Munn	Lauren	10		Math and Astronomy	S205
Asabor	Rex	11		Calculus in Physics	GAL014
Coley	Bianca	11		Statistics in Engineering	GAL016
Tugbobo	Ifeoluwa	11		Gaussian Math	GAL017

Garden City HS

Last Name	First Name	Grade	Team	Topic	Room #
Flanagan	Caroline	9		Amidakuji	BR216
Fornasar	Julia	9		Sleep/Awake Patterns	BR217
Kane	Marybeth	9		Monty Hall's Dillemma	D011
Liberopoulos	Jessica	9		What are the different Types of Sleep	D014
McDonald	Dylan	9		Zipf's Law in evertday life.	D015
McGuire	Claire	9		The effect of light on the circadian rhythm	D016
Wu	Sarah	9		The Fourth Dimension	D017
Young	Jillian	9		How to help students struggling in math-thru stats	D020
Zheng	James	9		Pascal's Triangle Remainder Patterns	D101
Ban	Yuexuan (Jenn	10		Pascal's Triangle	S208
Gambino	Lindsey	10		Coloring a Map/Four Color Theorem	S209
Gladd	Chase	10		Prisoner's Dillemma	S302
Greco	Michael	10		An end to Insight	S304
Heavey	Patrick	10		How does Game theory affect Board Games	S304A
McGannon	Christian	10		The Magnus effect	S305
Morrison	Iain	10		Language Death	S308
Muldoon	Jack	10		Polls and statistics from the 2016 Election	S309
Padala	Aidan	10		Explorations of Number Systems and the Evaluation of their Funct	S205
Pappas	Gavin	10		The Mathematics of Card Tricks	HE100
Pfaff	Aidan	10		Odds of winning in a casino	HE101
Plunkett	Collin	10		Linesand curves/Geometric Envelopes	S103
Reifler	Thomas	10		How the NBA Schedule is created	S107
Scattareggia	Joseph	10		Mathematics in Basketballs	S108
Schmitt	Timothy	10		Operatin Room Management	S109
Smith	Amy	10		Marion Walker's Theorem	S201
Donohue	Christopher	11		Hyperbolic Geometry	N013
Germano	George	11		The number 3	N015
Grlic	Thomas	11		Equation of Time	N018
Ragusa	Gabriel	12		Calculus in Medicine	GAL242
Trivedi	Vedant	12		Examining Optimization	R206

Great Neck North HS

Last Name	First Name	Grade	Team	Topic	Room #
Ganguli	Nilesh	10		The Riemann Rearrangement Theorem Paradox	S202
Lu	Christopher	10		Benford's Law	S203

Last Name	First Name	Grade	Team	Topic	Room #
Rothbaum	Joshua	10		Collatz Conjecture	S204
HAFTR					
Friedman	Daniel	11		A Critical Evaluation of Prime Numbers	R201
Hilsenrath	Erica	11		Cardinality Viewed Through a Hierarchy	N020
Kopyto	Miriam	11		The Construction of n - gons	N021
Neumann	Efrat	11		Fractals	R013
Schorr	Amanda	11		Knot Theory	R015
Gottlieb	Mark	12		Triangular Recursion Relationships	R213
Greenstein	Maxwell	12		A Hierarchy of Infinite Sets	A200
Plaut	Joshua	12		The Enigmatic Nature of Prime Numbers	A209
Sacks	Rachel	12		An Evaluation of Prime Numbers	A212
Schneider	Jeremy	12		An Evaluation of Prime Numbers	GAL018
Herricks HS					
Chen	Derek	9		Integral Calculus	D102
Gupta	Rohan	9		Integral Calculus in Projectile Motion	L201
Rocco	Andrew	10		Cryptography	S204A
Soni	Hita	10		Matrices	S205
Makwana	Keya	11		The Golden Ratio	R101
Patel	Namrata	11		The Accuracy Of Statistics	R102
Patel	Radhika	11		Fibonacci Numbers in Nature	R106
Sawhney	Aman	11		Mathematical Modeling	R108
Singla	Anisha	11		Optimization	R109
Wu	Angela	11		Graph Theory	N015
Ahmed	Nibras	12		Game Theory	GAL242
Chen	Alan	12		Geometry and Computer Graphics	R206
Jung	Bongseok	12		Chaos Theory	R213
Koe	Nora	12		Monte Carlo Simulations	A200
Herricks MS					
Balasubramanian	Aadithyaa	7		Logarithms	BRW101
Chan	Stephanie	7		Game Theory	BRW102
Chheda	Caitlin	7		Golden Ratio	BRW104
Goel	Aanya	7		Parabolas	BRW106
Kaur	Prableen	7		Complex Numbers	BRW201
Khondkar	Wafiq	7		Conic Sections	BRW202
Menrinetsang	Tenzin	7		Matrices and Determinants	BRW203
Min	Esther	7		Conic Sections	BRW204
Nadeem	Ayesha	7		Parabolas	C306
Patel	Roshni	7		Graph Theory	BRW101

Last Name	First Name	Grade	Team	Topic	Room #
Patnam	Pranati	7		Matrices and Determinants	BRW102
Ramesh	Iniya	7		Game Theory	BRW104
Singhi	Sneha	7		Parabolas	BRW201
Soni	Keneil	7		Parabolas	BRW202
Sukhraj	Stephanie	7		Matrices and Determinants	BRW106
Vinod	Ankitha	7		Genetics and Probability	BRW203
Chiang	Selina	8		Fibonacci Numbers	BR025
Chou	Alison	8		Linear Programming	BR026
Desai	Aveena	8		Limits	BR028
Joseph	Victoria	8		Logarithms	BR029
Kim	Andrew	8		Platonic Solids	BR100
Koe	Justin	8		Hill Cipher	BR103
Krishnamoorthy	Preethi	8		Logarithms	BR013
Lakshmanan	Haritha	8		Differential Calculus	BR014
Leung	Samuel	8		Trachtenberg System	BR015
Pinzon	Kyle	8		Math and Music	BR016
Rasquinha	Rhea	8		Conic Sections	BR018
Shanmugananthan	Kiruthiga	8		Game Theory	BR019
Tan	Chiara	8		Conic Sections	BR020
Venkatesan	Bharath	8		Conic Sections	BR025

Hewlett HS

Last Name	First Name	Grade	Team	Topic	Room #
Paul	Dylan	10		Exploding Dots	S208

Hicksville Schools

Last Name	First Name	Grade	Team	Topic	Room #
Zhen	Sam	7	Team A	The Pythagorean Theorem	SC141
Zhen	Sean	7	Team A	The Pythagorean Theorem	SC141
Kohli	Jaskaran	7	Team B	Pi	SC142
Sonika	Aniket	7	Team B	Pi	SC142
Jain	Aran	7	Team C	Trigonometry	SC141
Sullivan	Christopher	7	Team C	Trigonometry	SC141
Anugu	Adith	8		Pi	BR026
Chittabathini	Aniruddh	8		Zeno's Paradoxes	BR028
Singh	Navpreet	8		Calculus: Derivatives	BR029
Ajith	Adithya	11		Irrational Numbers	R110
Antinora	Elizibeth	11		Game Theory	R111
Anugu	Amith	11		The Pigeonhole Principle	R112
Beltre	Kathia	11		Game Show Mathematics	R201
Francis	Jasmin	11		Pythagorean Triplets	N019
Hoang	Caroline	11		Cryptology and Ciphers	R015

Last Name	First Name	Grade	Team	Topic	Room #
Joshi	Roshon	11		The Paper Airplane Problem	GAL013
Kaur	Manpreet	11		The Banach-Tarski Paradox	GAL014
Krieger	Erin	11		Fibonacci Numbers	GAL016
Malhotra	Sonali	11		Mathematics and Medical Imaging	GAL017
Patel	Monit	11		Aeronautics of a Paper Airplane	N013
Rath	Katherine	11		Ciphers and Cryptography	N015
Vutukuri	Bhargawi	11		Sudoku Mathematics	N018

Holy Trinity HS

Last Name	First Name	Grade	Team	Topic	Room #
Bilello	Katelin Ann	10		Math and Volleyball	S209
Chen	Hao (Oliver)	10		Math and Basketball	S302
Chen	Jiapeng (Rahn)	10		Math and Astronomy	S304
Feng	Siyan (Frank)	10		Math on a Commercial Airliner	S304A
Frazier	Donnie-Lee	10		Mathematics of Weather Forecasting	S305
Gao	Rongwan (Gla	10		Golden Ratio	S308
Hughes	Maryjane	10		Dive In! The Physics of Swimming	S309
Hughes	MiAndre	10		Cryptography and Math	HE100
Jiang	Binglun	10		Math and Bubbles	HE100
Li	Juncheng (Jard	10		Origami and Math	HE101
Liang	Wenxin (Wend	10		Rubik's Cube	S103
Liu	Runlong (Dam	10		Pascal's Triangle	S107
Liu	Yilin (Andrew)	10		Binary System	S108
Lu	Tengyang (Mic	10		Battleship	S109
Pang	Weijin (Isco)	10		Fourth Dimension	S201
Pascucci	Michael	10		Pascal's Triangle	S202
Patel	Harshil	10		Fractals	S203
Shen	Yimeng (Jenny	10		Math and Volleyball	S204
Shi	Yiqing (Silvia)	10		Math and Perspective	S204A
Tang	Yumeng (Emel	10		Math and Music	S205
Wang	Xuanhao (Davi	10		Mendel's Law	S208
Yang	Chen (Jonna)	10		Topology	S209
Yong	Shuchen (Eva)	10		Tilings and Tessellations	S302

Huntington HS

Last Name	First Name	Grade	Team	Topic	Room #
Yeh	Steve	12		Alternative Methodology for Integration/Calculus	A209

ICPS

Last Name	First Name	Grade	Team	Topic	Room #
Coyne	Aiden	10		Circumscribing Quadrilaterals	S304
Kapilian	Joshua	10		Products of Digits	S304A
Michel	Myrna Jean	10		Figurate Number Patterns	S305
Tivakaran	Eshan	10		Graphing Equations	S308

Last Name	First Name	Grade	Team	Topic	Room #
Tran	Matthew	10		Consecutive Integer Sums	S309
Cruse	Jack	11		Changing Area	N019
Neiger	Zachery	11		Orthodiagonal Quadrilaterals	N020
Jericho HS					
Chen	Austin	9		Stimulating Dig	BR200
Misra	Suchir	9		Cyclic Numebrs	BR105
Sinnan	Keertti	9		3D Modeling	BR106
Yao	Ben	9		Group Theory and Rubic's Cube	BR112
Hu	Cystal	10		Fibincacci	S305
Mashriqi	Tasin	10		Rocket Equation	HE100
Pahlavan	Ari	10		GPS Tracking	HE101
Resier	Ethan	10		Expected Value	S103
Shah	Shrey	10		Quadrilateral Areas	S107
Shekar	Shruthi	10		Data Mining and Graphy Theory	S108
Xu	David	10		Image Super-Resolution	S109
Bansal	Simram	11		Trachtenbery Speed System	N021
Cao	Arthur	11		A New Geomtry Lemma	R013
Cheng	Margaret	11		ISBN Codes	R015
Chu	Lillian	11		Missing Square Puzzle	R101
Fang	Andy	11		Prime Number Generation	R102
Fatehi	Katharyn	11		Golden Ratio	R106
Fishman	Halle	11		Roller Coasters	R108
Gennberg	Lauren	11		Compund Interest and Utility	R109
Gurnani	Ishan	11		Keplar	R110
Joshi	Sama	11		Statistcs: Mdeia and Achievement	R111
Kent	Joshua	11		Montey Hall	R112
Lin	Henry	11		Math Paradoxes	R201
Liu	Oliver	11		Math and Music	N018
Mdankumar	Swati	11		Simpson's Paradox	N020
Rexha	Farah	11		Kaleidoscopes: Symmetry	GAL013
Schwartz	Molly	11		Decision Theory	GAL014
Sheen	Matt	11		Numbers in different bases	GAL016
Xu	Alex	11		Cyptography	GAL017
Yoo	Sean	11		Penalty Kicks	N013
Kennedy HS					
Israni	Krish	9		Astronomy and Mathematics	BR208
Varghese	Eshwin	9		Non-Euclidean Geometry and its Applications	BR209
Biswas	Rishab	11		Credit Risk: The Mathematics of Capital Allocation in the Banking I	N015

Last Name	First Name	Grade	Team	Topic	Room #
Chalfen	Ethan	11		Applications of Pascal's Triangle	N018
Fox	Noah	11		Markov Chain	N020
Harrington	Nicole	11		Conic Section	N019
Huang	Kevin	11		Sudoku Algorithms	N021
Hwang	Jeff (Jeongbin)	11		Parabolic Relationships	R013
Jung	Jaeyoon	11		Godel's Incompleteness Theorem	R015
Kang	Esther	11		Application of Phi and the Fibonacci Sequence to Music	R102
Kazi	Ammar	11		Fuzzy Logig in Modern Day Artificial Intelligence	R101
Kholodny	Andrew	11		The 4th Dimension	R106
Kim	Justin	11		Ramsey's Theorem	R108
Kirschner	Samuel	11		Foundations and Applications to Roman Numerals	R109
Lee	Jungin	11		The Golden Ratio in Architecture	R110
Lu	Ruoxin	11		The Poincare Dodecahedral Space Model as an Explanation for To	R111
Makda	Zain	11		Application of Zeno's Paradox	R112
Mirza	Safia	11		Buffon's Needle Problem	R201
Park	Julia	11		An Investigation & Analysis of the Julia Set Derived from the Man	R112
Philip	Saira	11		Probability in Genetics	R102
Rahban	Joshua	11		Pi	GAL013
Sethi	Umang	11		Applications of Muller's Method	GAL014
Sonmez	Sarah	11		Dynamical Systems	GAL016
Srinivasan	Maanasi	11		Lissajous Curves	R109
Stepansky	Alex	11		Dijkstra's Algorithm	GAL017
Stone	Jack	11		Circle Packing	R110
Syeda	Sumaiyah	11		Zeno's Paradoxes	N013
Temkin	Jonathan	11		WFABBA - Fire Algorithm	N015
Vathapallil	Prince	11		Application of Pappas Chain Theorem and Point Inversion	N018
Zeni	Matthew	11		Hardy-Weinberg Principle	N019
Ziadkhanpour	Kiana	11		Happy Numbers	N020

Lawrence HS

Last Name	First Name	Grade	Team	Topic	Room #
Boravik	Shiloh	9		Birthday Paradox	BR211
Bugtai	Brittany	9		Probability of Each Card in a Card Deck	BR216
Ciarlo	Silvia	9		Projectiles	D011
Feder	Mia	9		What's the Fastest Way to Solve a Rubik's Cube?	D015
Gomez	Jardina	9		Probability of Each Card in a Card Deck	D016
Jimenez	Alyssa-Tyler	9		Probability of Each Card in a Card Deck	D020
Palacios	Kimberly	9		Optical Illusions	D101
Ramos	Anthony	9		Birthday Paradox	D102
Sandhu	Bhawan	9		Euclidean Geometry	L201

Last Name	First Name	Grade	Team	Topic	Room #
Blyudoy	Jacqueline	10		Logic and Its Applications on Government	S201
Bukhari	Syed	10		Intermediate Value Theorem	S202
Charlton	Alexis	10		How Does Playing Music Fit with Mathematical Equations?	S203
Chen	John	10		Factors of Exchange Rates of Money	S204
Dookie	Kristen	10		Dandelion Spheres in Blood Splatter	S204A
Ehlers	Shannon	10		Seeing Symmetry	S205
Guha	Anoushka	10		Physics Behind Dance	S208
Khan	Zaiff	10		The Shape of Space	S209
Lira	Tatiana	10		Transformations "Seeing Symmetry"	S302
Melgar	Gelpi	10		Delta-Epsilon Proofs	S304
Michel	Madeline	10		The Matrix and How It Works	S304A
Park	Samuel	10		Math in Music	S308
Paz Lizama	Zita	10		Finding Symmetry in Everyday Life	S309
Singh	Astor	10		Pool Table Geometry	HE101
Godoy	Gesia	11		Math Behind Ballistics	N021
Islam	Mohammad	11		Birthday Paradox	R013
Merchan	Kellyn	11		Golden Ratio	R108
Romero	Amanda	11		Birthday Paradox	R106
Simao	Michael	12		Gravity's Displacement	A212

Lawrence MS

Last Name	First Name	Grade	Team	Topic	Room #
Dagrin	Ileana	7		The Golden Ratio	C306
Domanas	Gabrielle	7	Team A	Pythagorean Theorem	SC142
Urgen	Ilia	7	Team A	Pythagorean Theorem	SC142
Andrade	Daniela	8		Optical Illusions	BR100
Barrientos	Joanna	8		Famous Mathematicians	BR103
Chacon Palacios	Jamie	8		Probability in Genetics	BR013
Davis	Kitana	8		Magic Squares	BR014
Guevara	Mathew	8	Team A	Sports Physics	SC143
Kirchner	Luke	8	Team A	Sports Physics	SC143
Hance	Danielle	8	Team B	Probability in Genetics	SC218
Perard	Rachel	8	Team B	Probability in Genetics	SC218

Long Beach MS

Last Name	First Name	Grade	Team	Topic	Room #
Arengo	Maya	8		The Math of Music	BR015
Arengo	Uma	8		Irrational Numbers	BR016

MacArthur HS

Last Name	First Name	Grade	Team	Topic	Room #
Chowdhury	Saajid	10		Formulas for the Sum of the Kth Powers of the First N Natural Nu	HE100
Portello	Nicholas	10		The Mathematics Behind Bitcoin	HE101
Cakir	Zeynep	11		Fibonacci in Astrology and Universe	R111

Last Name	First Name	Grade	Team	Topic	Room #
Cassano	Erin	11		Mathematics Behind Election Predictions/Arrow's Impossibility Th	R112
Fisher	Emily	11		Mental Math	R201
Spinelli	Delilah	11		The Four Color Theorem	R110
Zhang	Helen	11		The Epigenetic Clock	R101
Butcher	Casey	12		Advantages of the Vigenere Cipher	GAL018
Myles	Shannon	12		Shannon Weiner and Gini-Simpson Index and Sorenson Coefficien	GAL242

Manhasset HS

Last Name	First Name	Grade	Team	Topic	Room #
Apostolou	Deme	9		Prisoner's Dilemma	BR105
Barrett	Timothy	9		Game Theory	BR106
Chen	Le (Angela)	9		The Monty Hall Problem	BR112
Gauld	Kevin	9		The World of Infinity	BR200
Hill	Megan	9		Expanding Road Systems Causes More Traffic Jams	BR206
Kelly	Emma	9		Magic Squares	BR208
Kiley	Matthew	9		Spherical Geometry	BR211
Li	Andrew	9		Markov Chains	BR209
Maass	Daniel	9		How to Win Fantasy Football	BR216
Newman	Carly	9		Magic Squares	BR217
Orthos	Kayla	9		Rubik's Cube	D011
Reinhardt	Quinn	9		Fibonacci	D014
Zhang	Rendie	9		Fibonacci Sequence	D015
Broderick	Thomas	10		Math Behind the Rubik's Cube	S107
Hanley	Eamon	10		Quantification of Distance over Earth's Surface using Spherical Ge	S103
Hitchcock	Jack	10		Mathematics and Sports	S108
Mannino	Michael	10		Game Theory	S109
Mondiello	Caroline	10		The Konigsberg Bridge Problem	S201
Reilly	Benedict	10		Modeling with Sequences	S202
Ryan	Lindsay	10		Mathematics of Sudoku	S203
Thalheimer	Bryce	10		Pythagorean Triples	S204
Trotta	Erin	10		The Coloring of Maps	S204A
Gold	Daniel	11		Splines in Calculus	GAL013
Haigian	Claudine	11		Earthquakes and Logarithms	GAL014
Kassabian	Alex	11		Consecutive Integers	GAL016
Kiley	Emily	11		Random Numbers	GAL017
Locurto	Marissa	11		Triangular Numbers	N013
Petras	Katherine	11		Infinite Sums and China's Demographics	N015
Thompson	Christopher	11		Gridville	N018
Giovanelli	Frederick	12		The Mathematics of Scuba Diving	R206
Kim	Ben	12		Fractional Calculus	R213

Last Name	First Name	Grade	Team	Topic	Room #
Olsen	Gavin	12		Business Applications of Calculus	A200
Psyllos	John	12		Physics	A209
Van Roy	Parker	12		Fluid Dynamics/Computational Statistics	A212

North Shore Hebrew Academy

Last Name	First Name	Grade	Team	Topic	Room #
Goldman	Sophie	10		Graph Theory	S208
Schneck	Eden	10		Emerging Zika Virus Epidemic; How Prevalence of Disease Impact	S209
Gilman	Benjamin	11		Gravitational Time Dilation	N019

North Shore HS

Last Name	First Name	Grade	Team	Topic	Room #
Chan	Stanely	9		Buffon's Clean Tile Problem	D016
Hunt	Katherine	9		Kaprekar's Numbers	D017
Lavenda	Louis	9		Mathematical Induction	D020
Lerman	Izzy	9		Cantor's set Thoery	D101
McCreery	Kyra	9		Euler's Formula	D102
Reilly	Esme	9		Relationships Between Areas and Perimeters	L201
Hao	Jia Wei	10		Shortest Path Between Points on a Surface	S302
Leventhal	Hanah	10		Fibannaci Numbers ans Induction	S304
Bello	Hally	11		The Cevian Problem	N020
Keenan	Riley	11		Bases other than Ten	N021
Ruisi	Michael	11		A Geometris Solution to a Quadratic	R013
Santucci	Lauren	11		Inscribed and Escribed Cirles	R015
Sharkey	Robert	11		Herron's Formula	R101
Zaffiro	Gabrielle	11		Hyperbolic Geometery	R102

North Shore MS

Last Name	First Name	Grade	Team	Topic	Room #
Blumenthal	Ella	7		Zeno's Paradox	BRW101
Boratin	Daniel	7		Magic Squares	BRW102
Borom	Brandon	7		Tessellations	BRW104
Brancato	Nicholas	7		Zeno's Paradox	BRW106
Ditrano	Katie	7		Roller Coasters	BRW201
Jasani	Saniya	7		Magic Sqaures	BRW202
Lamond	Olivia	7		Pascal's Triangle	BRW203
Lando	Rebekah	7		Platonic Solids	BRW204
McCreery	Evelyn	7		Number Systems	C306
Pastula	Noah	7		Conic Sections	BRW101
Reiner	James	7		Coding	BRW102
Vanchieri	James	7		Platonic Solids	BRW104
Zachariadis	George	7		Birthday Paradox	BRW106
Zhao	Eileen	7		Magic Squares	BRW201
Caldwell	Dean	8		Codes	BR018

Last Name	First Name	Grade	Team	Topic	Room #
Castle	Lucas	8		Codes & Ciphers	BR019
Efstathiadis	Christina	8		Phi	BR020
Gandhi	Dhruv	8		Math in Rollercoasters	BR025
Lenney	Scott	8		Topology	BR026
Pelts	Jeremy	8		Four Color Theorem	BR028
Reynolds	Patrick	8		Value of "e"	BR029
Northport HS					
Guo	Emily	9		Kepler's Laws	BR200
Northport MS					
Koran	William	7		My Busy Bees & the Hexagon	BRW202
Slevin	Leeva	7		Math in Nature	BRW203
Sweeney	Patrick	7		The Golden Ratio	BRW204
Oceanside HS					
Aizer	Ryan	9		Game Theory	D102
Bier	Jack	9		Bayes Theorem and It's Application to Baseball	L201
Carlins	Makayla	9		Binary Code	BR105
Cecil	Mary	9		Monty Hall Problem	BR106
Crowley	Skyy	9		Pythagoras and Math	BR112
Folias	Christina	9		Probability and Genetics	BR200
Gamarra	Jonathan	9		The Bridges of Kongisberg	BR206
Henn	Catherine	9		Taxi Cab Geometry	BR208
Lisi	Nicholas	9		The Postage Stamp Problem	BR209
Naseer	Hamza	9		The Binomial Theorem	BR211
Palmieri	Christina	9		The Golden Ratio and Real Life Applications	BR216
Passuello	Ryann	9		Conic Sections	BR217
Phillips	Michael	9		Encoding and Decoding With Matrices	D011
Picciano	Jenna	9		Exploring Pattern's Found Within Pascals Triangle	D014
Pocress	Elana	9		Calculating Planetary Motion Using Keplers Laws and Various Equ	D015
Risi	Alessandro	9		Chaos Theory	D016
Ritter	Blake	9		Seven Bridges of Konigsberg	D017
Seychell	Christopher	9		Tessellations	D020
Visconti	Sarah	9		Winning at Monopoly	D101
Baghan	Osman	10		Catastrophe Theory and Its Applications	S304A
Haertig	Vanessa	10		Linear Diophantine Equations and Euclidean Algorithm	S305
Hong	Ryan	10		Mathematical Patterns Present in Music	S308
James	Danielle	10		Golden Number and Relations	S309
Rovello	Etzio	10		Mathematics behind a card trick	S201
Sanchez	Jacob	10		The Math Behind League of Legends	HE100

Last Name	First Name	Grade	Team	Topic	Room #
Aronshtein	Filip	11		The Collatz Conjecture	R106
Dimitrakas	Nick	11		The Chinese Remainder Theorem	R108
Javillo	Jade	11		Fractal Patterns of Music	R109
Meyerowitz	Alexander	11		The Traveling Salesman Problem	R110
Pagona	Nina	11		The Rubik's Cube	R111
Somerstein	Sloane	11		Perspective Drawings	R112
Wright	Jacqueline	11		Harmonic Coordinates in Animation	R201
Calboreanu	Lorelei	12		The Prisoner's Dilemma	GAL018
Cavale	Jenna	12		Math in Criminology	GAL242
Curra	Annalicia	12		Math in Poetry	R206
Jones	Chelsea	12		Math in the Music Industry	R213
Markoulli	Andrew	12		Four Color Problem	A200
Pocress	Michael	12		Mathematically Modeling Mechanisms of Sterol Cell Transport	A209
Wolwebber	Thomas	12		Analysis of Whitetail Deer Populations	A212

Our Lady of Mercy Academy

Last Name	First Name	Grade	Team	Topic	Room #
Cataliotti	Sofia	11		Perfect Triangles	R109

Roslyn HS

Last Name	First Name	Grade	Team	Topic	Room #
Antenberg	Andrew	9		Most effective lighting for photography	D102
Arias Lopez	Kaycee	9		Basketball Dunk	L201
Ben-Levi	Sammy	9		Art Gallery problem	BR217
Covey	Adam	9		fantasy football	BR211
DiSanti	Isabella	9		Sabermatrics in baseball	BR105
Farber	Zoe	9		Mathematics in serving a volleyball	BR106
Freeman	Jake	9		Best Angles in Soccer	BR112
Friedman	Julia	9		Analyzing tennis serves	BR200
Friedman	Lianna	9		Math in Skiing	BR206
Fries	Gabrielle	9		math behind flipping a water bottle	BR208
Fries	Sophie	9		Alternate Calendars	BR209
Futoran	Daniella	9		Calculating the perfect pirouette	BR211
Grewal	Daleep	9		Relationship between the arc of a shot and the area of the basket	BR216
Hakimi	Ariella	9		Shooting the Perfect Basket	BR217
Hammerman	Brandon	9		Affect of Angles on appereance of diamonds	D011
Kafri	Roey	9		Special RT triangles	D014
Khazzam	Carly	9		Flower Power	D015
Litvack	Jake	9		perfect number theorem	D016
Mindick	Arianna	9		Mathematics in Ballet	D017
Perlman	Zachary	9		Properties of infinity	D020
Rubin	Madeline	9		mathematics in waves	D101

Last Name	First Name	Grade	Team	Topic	Room #
Rufai	Feyi Sayo (Fey)	9		Infinity in Zentangles	D102
Samuel	Joshua	9		Group Theory	L201
Sharda	Shreeyam	9		Geometrty basketball	D014
Stein	Jacob	9		The Monty Hall Problem	D017
Stoller	Jake	9		Collatz conjecture	BR105
Sung	Daniel	9		Alternate Formula to player Efficienct Rating	BR106
Tom	Catherine	9		Finding Finite Differences	BR112
Tran	Alexander	9		Underhand free throws	BR200
Wu	Selina Rui	9		Marion Walters Theorem	BR206
Liu	Alex	10		Banking Basketball Shots Using Physics & Trig	S103
Schiavo	Justin	10		The Feasiblility of building a space elevator	S107

Roslyn MS

Last Name	First Name	Grade	Team	Topic	Room #
Fein	Brooke	7		Platonic Solids	C306
Guillon	Luca	7		Conic Sections	BRW102
Liu	Daniel	7		E and Compound Interest	BRW101
Sehgal	Harshita	7		Trigonometry	BRW104
Xu	William	7		Catalan Numbers	BRW106
Benlevi	Kobi	8		Modus Kobis	BR100
Chou	Ryan	8		consecutive integer sums	BR103
Chu	Laura	8		Cycloids	BR013
Diamond	Julia	8		centriod distance relationships	BR014
Dolgoff	Zachary	8		distance between centers	BR015
Fein	Hannah	8		To Infinity and Beyond	BR016
Fox	Jessica	8		Coefficient for Normal Distribution	BR018
Garmise	Hannah	8		Math of soccer	BR019
Kann	Aaron	8		shapes inside squares and relative areas	BR020
Lam	Katie	8		Infinite Series	BR025
Lee	Faith	8		Nash Equilibruim	BR026
Leiderman	Hayden	8		Prime Number and Factors	BR028
Lok	Sara	8		The 7 bridges of Konigsberg	BR029
Mashaal	Justin	8		Checkered Boards	BR100
Matarangas	Ariana	8		Fractal Geometry	BR103
Mayourian	Jacob	8		perfect numbers	BR013
Pahlevan	Alida	8		special triangles	BR014
Park	Gavin	8		Squares in a Square Grid	BR015
Russ	Lindsey	8		investigating skew	BR016
Tanousis	Paulina	8		Probability with Dice	BR018
Wachsman	Ethan	8		measuring normality	BR019

Last Name	First Name	Grade	Team	Topic	Room #
Weisman	Sydney	8		Finding the area of curves	BR020
Weisser	Justin	8		effects of pro rating electoral votes on past president elections	BR025
Weitz	Michael	8		Geometry and the golden ratio	BR028
Zucker	Jordan	8		Crytography	BR026
Bykov	Joey	8	Team A	Game Theory	SC143
Rabinovich	Mia	8	Team A	Game Theory	SC143

Schreiber HS

Last Name	First Name	Grade	Team	Topic	Room #
Fain	Jacob	10		Golf Ball Distance and Trajectory	S109
Gruber	Zachary	10		Transmissiblity of the Zika Virus	S108
Leong	Maya	10		Solar Statistical Analysis	S202
Melkonian	Joseph	10		Physics	S203
Pevzner	Allon	10		Lottery Distribution Analysis	S204
Romanski	Lucas	10		Kepler's Laws	S204A
Shields	Carter	10		Statistical Analysis of Organoclay Use	S205
Smith	Hannah	10		Fast Fashion	S208
Upadhyay	Kushal	10		Human Migration Network Modeling	S209
Cai	Iris (Jiachen)	11		Golden Ratio and Chinese Paintings	R111
Calamari	Nicole	11		Kinetics	GAL013
Finkelstein	Anna	11		Fibonacci Spiral	GAL014
Johnson	Shiraz	11		Queueing Theory	GAL016
Kobayashi	Ayato	11		Statistics	GAL017
Littman	Jamie	11		Aerofoil Simulations	N013
Ruskin	Julia	11		Mathematical Modeling of Disease	N015
Shi	Sherry (Run)	11		Simulating Bee Population	N018
D'Alonzo	Samantha	12		Mathematical Modeling	GAL018
Goldman	Sarah	12		Statistics	GAL242
Hurt	Jordan	12		Physics	R206
Konoff	Robert	12		Solar Energy Efficiency	R213
Langone	Dylan	12		Physics	A200
Nachman	Michael	12		Regression Analysis	A209

South Woods MS

Last Name	First Name	Grade	Team	Topic	Room #
He	Alex	7		Traffic Jam Simulator	BRW201
Huang	Eric	7		Math in Aviation	BRW202
Kim	Yuni	7		Matrix Algebra	BRW204
Simon	Justin	7		Math in Our Election Process	BRW203
Wang	Alex	7		Pascals Triangles	C306
Jung	Ashley	7	Team A	Brain of a Swimmer	SC141
Shleimovich	Michele	7	Team A	Brain of a Swimmer	SC141

Last Name	First Name	Grade	Team	Topic	Room #
Chiu	Ethan	7	Team B	Optical Illusions	SC142
Lee	Julian	7	Team B	Optical Illusions	SC142
Meneshian	Michael	7	Team C	Math in Music	SC142
Sethi	Sachi	7	Team C	Math in Music	SC142
Gangat	Nadeem	8		Complex and Imaginary Numbers	BR029
Kopacz	Michael	8		Game Theory	BR100
Mehtani	Atharv	8		Math in Astronomy	BR103
Rasquinha	Giselle	8		The Mathematics of Disease	BR013
Shah	Keya	8		Binary and Hexadecimals	BR014

Syosset HS

Last Name	First Name	Grade	Team	Topic	Room #
Li	Kevin	8		Fair Division	BR015
Henriksen	Ione	9		Mathematics of Voting	BR208
Hooey	Sarah	9		Fair Division	BR209
Jang	Sophia	9		Number Theory	BR211
Luo	Yan	9		Math in Music	BR216
Mittal	Arushi	9		Fair Division	BR217
Eager	Sabrina	10		Application of Bayes' Theorem in Social Science	S302
Hsu	Allison	10		Graphic Analysis	S304
Huang	Benjamin	10		Fractals and Technical Analysis	S304A
Lam	Thomas	10		Probability Analysis	S305
Rustami	Sahil	10		Game Theory	S308
Ardizzone	Matthew	11		Two Dimensional Matrices	N019
Arora	Jahnavi	11		Cloud Computing	N020
Goldberg	Jillian	11		Quantitative Finance	N021
Lefkowitz	Ryan	11		Computer Graphics	R013
Reddock	Ross	11		Statistical Analysis of Running	R015
Tang	Jacquelin	11		Topology	R101
Weiss	Jeremy	11		Image Processing	R102

Thompson MS

Last Name	First Name	Grade	Team	Topic	Room #
Arora	Prisha	7		Pythagorean Theorem	BRW101
Kyler-Wank	Owen	7		Fractals	BRW102
Motaganahalli	Shreya	7		Area of circle is equal to the area of a rectangle	BRW104
Ng	Sebastian	7		Rubik's Cube	BRW106
Parthasarathy	Riddhi	7		The Fibonacci Numbers	BRW201
Sharma	Rhea	7		Pascal's Triagnge	BRW202
Wang	David	7		Permuation and Combinations	BRW203
Steiner	Lauren	7	Team A	Pi	SC141
Zelenitz	Chloe	7	Team A	Pi	SC141

Last Name	First Name	Grade	Team	Topic	Room #
Gao	Tiffany	7	Team B	Magic Squares	SC142
Yang	Jynnie	7	Team B	Magic Squares	SC142
Huang	Amanda	7	Team C	Pascal's Triagnge	SC141
Zhu	Caroline	7	Team C	Pascal's Triagnge	SC141

Trinity Regional School

DePaul	Aidan	8	Team A	Optical Illusions	SC218
Gallo	Alessio	8	Team A	Optical Illusions	SC218
Gallo	Angelo	8	Team A	Optical Illusions	SC218

Wheatley School

Bansal	Manar	8		Finding Area Under a Curce using geometry and Definite Integrals	BR016
Chabria	Anya	8		Fibonacci Numbers	BR019
Cohen	Nadav	8		Transformations	BR018
Hassan	Sarah	8		Matrices and their applications in Computer Science and Mathem	BR020
Hassan	Ubaidullah	8		Magic Squares	BR025
Ness	Eric	8		Music and Mathematics	BR026
Oshodi	Temitope	8		The use of Math in Fantasy Sports	BR028
Ajmera	Rahul	9		The Mathematics Behind the GPS	D011
Behar	Brandon	9		The Infinite Qualities of Twin Primes	D014
Belle	Alyssa	9		Fractals	D015
Ramos	Madison	9		The Mathematics Behind the Construction of the Sagruda Familia	D016
Vincenzo	Ashley	9		Inflation and its connection to investments	D017
Yagoda	Emily	9		Compond Interest	D020
Zhong	Sharon	9		Mathematics within Origami	D101
Hirsch	Andrew	10		Linear Programing	S309
Shukla	Manan	10		The Banach-Tarski Paradox	HE101
Ainechi	Sufia	11		Planet X	R106
Vega	Justin	11		Schrodinger's Equation	R108
Gilbert	Jakob	12		Equation for Combining Exponents	A212
Jadonath	Arvin	12		The Lorenz Attractor	GAL018
Lessen	Ashley	12		Chinese Remainder Theorem	GAL242
Lotzky	Gil	12		Martin Gardner's Puzzles	R206
Nussbaum	Jax	12		Finite Differences	R213

Woodland MS

Jojode	Sachin	7		Math and Basketball	BRW204
Felder	Ashley	7	Team A	History of Numbers	SC142
Rodriguez	Lauren	7	Team A	History of Numbers	SC142
Chinnadurai	Nishanth	8		Conic Sections	BR029
Levy	Elizabeth	8		Probability in Genetics	BR100

Last Name	First Name	Grade	Team	Topic	Room #
Suryavanshi	Anshul	8		Trachtenberg Speed System	BR103

Woodmere MS

Last Name	First Name	Grade	Team	Topic	Room #
Cheng	Kelvin	8	Team A	Pascal's Triangle	SC143
Chinnappala	Sumeet	8	Team A	Pascal's Triangle	SC143