Math Fair Qualifiers from March 1, 2019

| | • | | | |
|---|----------------------------|----------|----------|---|
| | Bethpage HS | | | • |
| | Channapatna | Ruchitha | 9 | Trinomial and Multinomial Theorems |
| | Channapatna | Suchitha | 9 | Diophantine Equations |
| | Candlewood MS | | | |
| • | Chandra | Viti | 8 Team A | The Mathematics of Relativity in Astronomy |
| | Eisenberg | Ellis | 8 Team A | The Mathematics of Relativity in Astronomy |
| | Clarke HS | | | |
| | Panickssery | Arjun | 11 | The Mathematics of Voting |
| | Copiague HS | | | |
| | Falco | Joseph | 9 | Game Theory's Real Life Applications |
| | Ismael | Zaiba | 9 | Probability I Genetic Disorders |
| | Mendoza-Rodriguez | Myra | 9 | Proving Heron's Formula |
| | Copiague MS | | | |
| | Sztabinski | Alice | 8 | Math and Space |
| | East Meadow HS | | | |
| | Caceres | Joaquin | 11 | Fluid Dynamics |
| | Fong | Alyssa | 11 | Statistical Analysis in Pancreatic Cancer Research |
| | Froehlich | Vanessa | 11 | Calculus |
| | Pienkowski | Mateusz | 11 | The Mathematics of Snowflakes |
| | East Moriches MS | | | |
| | Sitzmann | Megan | 8 Team A | |
| | Tully | Emily | 8 Team A | Mathematical Paradoxes |
| | Elmont Memorial HS | | | |
| | Ahmed | Raheel | 8 | Eulers Number |
| | Blanfort | Marthe | 9 | Binomial Theorem |
| | Nnabuogor | Nneka | 9 | Geometry in Nature |
| | Agesin | Akinwale | 10 | Mysteries of Zero |
| | Finley MS | | | |
| | Polinsky | Olivia | 7 | Probability in Genetics |
| | Friends Academy | | | |
| | Barry | Ella | 10 | Rowing: The Mathematics of the Force Curve |
| | Garden City HS | | | |
| | Grlic | Mary | 9 | Fractals in Music |
| | Wu | Aidan | 9 | The Patterns in Pascal's Triangle |
| | Zheng | Jenny | 9 | Hilbert's Hotel Paradox |
| | Bailey | lan | 10 | Mathematics in Juggling |
| | Padala | Ryan | 10 | The Likelihood of Physical Perfection and an In-Depth Look at the |
| | Riceman | Andrew | 10 | Sudoku Puzzles and their Solutions |
| | Treanor | Robert | 10 | The Mathematics Behind Reaching the Speed of Light |
| | Wu | Sarah | 11 | Thinking Outside the Bach: Music with Sinusoidal Graphs |
| | Young | Jillian | 11 | How does Wind Affect the Speed of a Sailboat |
| | Great Neck North HS | | | |
| | Gruber | Danielle | 10 | A Comparison of Models for Evidence Accumulation |
| | | | | |

Half Hollow Hills HS West

| нап н | ollow Hills H5 West | | | |
|--------|---------------------|-------------|----------|---|
| Su | 1 | Nina | 9 | Birthday Paradox |
| Sa | ecchetti | Sophia | 11 | Probability and Gambling |
| Herric | ks HS | | | |
| Ва | alasubramanian | Aadithyaa | 9 | Genetics and Statistics |
| Ka | ang | Genesis | 9 | Asymmetric and Symmetric Cryptography |
| Kŀ | nondkar | Wafiq | 9 | Integral Calculus |
| Pa | atnam | Pranati | 9 | Matrices and Computer Graphics |
| Sc | oni | Keneil | 9 | Game Theory Within the European Union |
| Zc | ovko | Christopher | 9 | Conditional Probability and Bayes' Theorem |
| Ko | pe | Justin | 10 | Machine Learning for Statistical Analysis |
| La | ıkshmanan | Haritha | 10 | Quaternions |
| Ra | asheed | Arfan | 10 | Octonions |
| Hs | su | Carrie | 11 | Fourier Series |
| М | lartin | Jared | 11 | Computer Graphics |
| Herric | ks MS | | | |
| Ap | postolatos | Melina | 7 | Cryptology |
| Cł | han | Preston | 7 | Game Theory |
| Hu | uang | Connie | 7 | Modular Numbers |
| Ka | arunakar | Vishnitha | 7 | Prime Numbers |
| Lo | | Ryan | 7 | Conic Sections |
| Pa | atel | Khushi | 7 | Pascal's Triangle |
| Al | braham | Jacob | 8 | Suspension Bridges |
| Cł | hheda | Zachary | 8 | Math and Basketball |
| Go | ondal | Ammar | 8 | Topology |
| Jh | a | Ankita | 8 | The Golden Ratio |
| La | ım | Ashley | 8 | Pascal's Triangle |
| Le | ee | Jeylin | 8 | Math in Volleyball |
| М | lendez | Alexa | 8 | Math in Medicine |
| Na | abi | Sanyah | 8 | The Golden Ratio |
| Ra | ams | Hannah | 8 | Tessellations |
| Sa | aini | Rushil | 8 | Laws of Sine & Cosine |
| Sh | nah | Ashay | 8 | Fibonacci Numbers |
| Ya | ang | Mitchell | 8 | Magic Squares |
| Hicksv | ville SD | | | |
| Ва | achhal | Birinder | 7 | Fibonacci Sequence |
| G | upta | Pearl | 7 Team B | Pascals Triangle |
| | /alia | Jia | 7 Team B | Pascals Triangle |
| Aı | garwal | Siddh | 7 Team C | Cryptology |
| | aval | Parikej | 7 Team C | Cryptology |
| | shraf | Sara | 8 | The golden ratio |
| | 1alayil | Pratiksha | 8 | Predicting House Prices using linear regression |
| | ain | Aryan | 9 | Mathematical Cosmology |
| Ji | | Xiang | 9 | Network Theory |
| | '' ingh | Ekam | 9 | Binomial Theorem |
| | _ | Adith | 10 | Game Theory |
| А | nugu | | | |

| | Singh | Navpreet | 10 | Planck's Constant |
|------|---------------|-----------------|----|---|
| | Sonika | Aniket | 10 | Codes and Ciphers |
| | Gupta | Sejal | 11 | Neural Network |
| | Jain | Viveka | 11 | Banach - Tarski Paradox |
| | Mehta | Somya | 11 | Math behind Sudoku |
| | Munn | Laura | 11 | Polar Coordinate System |
| | Naqvi | Alina | 11 | Set Theory |
| | Nasari | Alaha | 11 | Game Theory |
| | Shamim | Fawziyah | 11 | The Analysis and Application of the Probablility Theory |
| | Sivasankaran | Dhanush | 11 | Banach - Tarski Paradox |
| Но | ly Trinity HS | | | |
| | DeGeorges | Mia | 9 | Math in Astronomy |
| | O'Brien | Kassandra | 9 | Pascal's Triangle |
| | Shebar | Arianna | 9 | Chinese Remainder Theorem |
| | Roccanova | Isabella | 10 | A Look Back Using Bayesian Statistics |
| ICP | S | | | |
| | Arengo | Maya | 10 | Infinity |
| | Arengo | Uma | 10 | Fractal Analysis |
| | Joseph | Victoria | 10 | Imaginary Numbers |
| | Kampta | Seth | 10 | Math in Music: Fuzzy Matching |
| | Manevitz | Matthew | 10 | Spherical Geometry |
| | Narayan | Rithika | 10 | Area of Irregular Curved Shapes |
| | Serban | Michelle | 10 | Factoring & Fibonacci |
| | Valagolam | Davesh | 10 | Trisecting an Angle |
| | Lampert | Lance | 11 | Exploring Parabola & Ellipse-like Loci with Mutated Foci |
| | Yang | Madeline | 11 | Prove Monte Carlo |
| Jeri | icho HS | | | |
| | Chaudhary | Pratim | 10 | RSA Encryption Mathematics |
| | Hu | William | 10 | Fuss-Catalan Numbers |
| | Li | Joanne | 10 | Analysis & Modification of an Outbreak Prediction Model |
| | Ma | Edgar | 10 | Graph Theory |
| | Ren | Richard | 10 | Predicting Air Pollution in Beijing Using Regression Analysis |
| | | | 10 | |
| | Shah | Vyom | | Self Driving Cars Prisoner's Dilemma |
| | Wang | Jie Rui (Grace) | 10 | |
| | You | Daniel | 10 | Modeling a Rubik's Cube with Group Theory |
| | Zhou | Judy | 10 | Optimal Velocity & Distance from Earth to GEOs |
| | Chen | Austin | 11 | Strategies to Combinatorial Games |
| | Dharia | Sohil | 11 | Using Collatz Conojecture for Fibonacci Numbers |
| | Pietraski | Miranda | 11 | Computer Modeling of Planetary Motion |
| | Sinnan | Keertti | 11 | Predicting Bite Force in Mammals |
| Jeri | icho MS | | | |
| | Pahlavan | Natalia | 8 | Solving for Area of Irregular Shapes |
| Ker | nnedy HS | | | |
| | Altstaedter | Alyssa | 10 | Josephus Problem |
| | Benson | Siean | 11 | Fourier Series |
| | Casale | Anthony | 11 | Applications |
| | | | | |

| | Cheung | Kyle | 11 | Markov Theory |
|-----|------------------------|-----------|----|---|
| | Diaz | Juliana | 11 | Hall's Marriage Theorem |
| | Futterman | Amanda | 11 | Koch Snowflake |
| | Gera | Atul | 11 | Menger's Sponge |
| | Kim | Minjee | 11 | Freemish Crate |
| | Kim | Ryan | 11 | The Pappus Chain |
| | Smith | Russell | 11 | Peasent Multiplication Application |
| | Song | Jaehyeon | 11 | Ford Fulkerson Algorithm |
| | Taub | Allison | 11 | Fermats Last Theorem |
| | Totala | Kreena | 11 | Generate Polygonal Numbers |
| | Vathappallil | Pravin | 11 | Viviani's Curve |
| Lav | vrence HS | C - lad : | _ | |
| | Bukhari | Syed Maja | 9 | Dandelin Spheres in Blood Spatter |
| | Dagrin | Ileana | 9 | Napolean's Theorem |
| | De La O | Stefany | 9 | The Shape of Space |
| | Domanas | Gabrielle | 9 | Music Theory |
| | Lizama Palma | Stephany | 9 | Projectiles in Video Games |
| | Michlig | Audrey | 9 | Math in Music |
| | Urgen | Ilia | 9 | Indirect Measurements & Similar Triangles |
| Lon | g Beach MS | | | |
| | Arengo | Rio | 8 | The Math Behind Bitcoin |
| Ma | nhasset HS | | | |
| | Giannakopoulos | Despina | 9 | The Golden Ratio |
| | Hahn | Andrew | 9 | Moneyball: The Sabermetrics |
| | LoCurto | Jillian | 9 | Juggling Mathematics |
| | Magas | Ante | 9 | The Perfect Free Throw |
| | Newman | Ashley | 9 | Magic Squares |
| | Vorillas | Peter | 9 | The Perfect Free Throw |
| | Harragan | Emily | 10 | The Importance of Prime Numbers |
| | Pidherny | Kyria | 10 | The Mathematics Behind a Rainbow |
| | Kiley | Matthew | 11 | The Mathematics Behind the Expanding Universe |
| | Park | Dohyeon | 11 | Nine-Point Circle |
| | Ryan | Charlotte | 11 | Mathematics of Tic-Tac-Toe |
| Nor | th Shore Hebrew Acad I | HS | | |
| | Hakakian | Alia | 11 | Mass Point Geometry |
| Nor | th Shore HS | | | |
| | Lamond | Olivia | 9 | An investigation of 5-con triangles and other (2n - 1)-con n-gons |
| | Blumenthal | Sophie | 10 | Line reflections and associated rational functions |
| | Weber | Kelly | 10 | An equation for dilations |
| | Reilly | Esme | 11 | Trigonometric parallax |
| Nor | th Shore MS | | | |
| | Lee | Noah | 7 | Game Theory |
| | Levin | Harrison | 7 | Rubik's Cube |
| Nor | thport HS | | | |
| | Connor | James | 10 | Computer Generated Cities |
| | Kavrakis | Valia | 10 | Probability |
| | | | | |

| Oceanside HS | | | | | |
|--------------|-------------|-----------|----|--|--|
| | Visconti | Sarah | 11 | The Voting Theory | |
| Ro | slyn HS | | | , | |
| | Burns | Jared | 9 | Code Division Multiple Access | |
| | Christenson | Luke | 9 | Statistical Analysis | |
| | Gross | Madison | 9 | Ailles Rectangle and Speical Triangles | |
| | Guillon | Luca | 9 | Shoelace Method | |
| | Kessler | Ethan | 9 | Combinatorics | |
| | Kim | Yeji | 9 | Recursive | |
| | Kuturoff | Benjamin | 9 | Probability of Hitting the Bullseye in Darts | |
| | Kwon | Madison | 9 | Perspective | |
| | Levine | Bennett | 9 | Inscribed Shapes | |
| | Lind | Liam | 9 | Statistics in the Classroom | |
| | Litvack | lan | 9 | Combinatorics | |
| | Mazarin | Ashley | 9 | Math Behind Animations | |
| | McNair | Laura | 9 | Physics of Badminton | |
| | Milholland | Aidan | 9 | Math in Art | |
| | Nercessian | Olivia | 9 | Newtons Method | |
| | Rice | Michael | 9 | 30 Vector Planes Utililized in Physics | |
| | Sehgal | Harshita | 9 | Playing Card Combinatorics | |
| | Shah | Mahi | 9 | Inscribed Figures | |
| | Stam | Rylie | 9 | Probability | |
| | Sung | Emily | 9 | Music in Math | |
| | Tofafarosh | Ammar | 9 | Math Behind Crytocurrency | |
| | Valauri | Sophia | 9 | Musical Tuning Systems | |
| | Mayourian | Jacob | 10 | Probability and Strategies in Darts | |
| | Weisman | Sydney | 10 | Hypotrachoids | |
| Ro | slyn MS | | | | |
| | Goodman | Cole | 7 | Sabermetrics | |
| | Gross | Jacob | 7 | Matrices | |
| | Lee | Jacob | 7 | Math of Origami | |
| | Lee | Zejane | 7 | Trigonometry | |
| | Shen | Cayden | 7 | Math Behind a Tennis Serve | |
| | Winston | Michael | 7 | Fractals | |
| | Yeh | Stephanie | 7 | Math in Animations | |
| | Youn | Hanah | 7 | Math in Music | |
| | Zwerling | Jacob | 7 | Bayes Theorem | |
| | Bogatyryova | Masha | 8 | Fractals | |
| | Fasanello | Robert | 8 | Exterior Angle Theorem | |
| | Fliegler | Matthew | 8 | How Pilots use Trigonometry to Fly planes | |
| | Garmise | Eliza | 8 | Math & Rollercoasters | |
| | Gerber | Harry | 8 | Geometry | |
| | Lam | Kristi | 8 | Math in Finance | |
| | Lee | Christian | 8 | The Binomial Theorem | |
| | Liswood | Amanda | 8 | The Mathematics of the Flu | |
| | Mashkevich | Lemuel | 8 | Special Triangles | |
| | | | | | |

| | Schwartz | Mac | 8 | 1 | Limits and Derivatives |
|-----|--------------|-----------|----|--------|---|
| | Sen | Shirmoyee | 8 | } | Visualizing Math through Geospatial Technology |
| | Shih | Wayne | 8 | ; | Pyramids |
| | Sinha | Arya | 8 | | Magic Hexagons |
| | Weisman | Sophie | 8 | | Objects Viewed in the Front Window of a Car |
| | Berger | Jaiden | 8 | Team A | Game Theory |
| | Nabavian | Dina | 8 | Team A | Game Theory |
| | Schwartz | Lior | 8 | Team A | Game Theory |
| | Kahn | Jesse | 8 | Team B | Rubic's Cube |
| | Rice | Joseph | 8 | Team B | Rubic's Cube |
| Sch | nreiber HS | | | | |
| | Christake | Phoebe | 10 | | Analyzing the Kip Movement |
| | Hay | Zachary | 10 | | Environmental Impact of Electronic Cars in different regions |
| | Kessler | Ryan | 10 | | Analyzing the Rates of Depression |
| | Loewy | Noah | 10 | | Fuel-Efficient Vehicles |
| | Parekh | Rajen | 10 | | Developing MLB Spending Strategies |
| | Ruskin | Daniel | 10 | | Analyzing the Factors of Tommy John Surgery |
| | Schor | Dylan | 10 | | Movie Industry Trends |
| | Senders | Nathaniel | 10 | | Analyzing the Spread of Hemophilia |
| | Fried | Harrison | 11 | | Applied Statistics |
| | Helman | Benjamin | 11 | | Physics |
| | Hirschwerk | Sally | 11 | | Applied Statistics |
| | Levin | Jamie | 11 | | Logistic Regression |
| | O'Neill | Ashley | 11 | | Data Analysis |
| | Ren | Jeannie | 11 | | Inside the Black Box: Topological Memorization and Generalization |
| | Shroff | Maansi | 11 | | Educational Debt |
| Sou | ıth Woods MS | | | | |
| | Aaronson | Avery | 7 | Team A | Math in Music |
| | Lebolt | Molly | | Team A | Math in Music |
| | Aaronson | Chase | 7 | Team B | Pi |
| | Lebolt | Jesse | 7 | Team B | Pi |
| | Hamid | Alliyyah | | Team C | Golden Ration |
| | Nayak | Anika | | Team C | Golden Ration |
| | , Dadi | Shivane | 8 | | General Relativity |
| | Dapice | Kyle | 8 | | Math in Computer Science |
| | Fan | Darius | 8 | | Graphics in Video Games |
| Svo | sset HS | | - | | |
| -,- | Chang | Wonjoon | 10 | | The Monty Hall Problem |
| | Chu | Michael | 10 | | Business |
| | Gangat | Nadeem | 10 | | Mathematical Finance |
| | Kopacz | Michael | 10 | | Geometry |
| | Li | Kevin | 10 | | The Coin Change Program |
| | Rasquinha | Giselle | 10 | | Modeling the Spread of Disease |
| | • | Joshua | 10 | | Ternary Optical Computing |
| | Yun | | | | |
| | Elenowitz | Joshua | 11 | | Corporate Valuatron |
| | Gangat | Azim | 11 | | Mathematical Finance |
| | | | | | |

| | Inteti | Sathvik | 11 | Computer Science |
|-----|---------------|-----------|----------|--|
| | Jang | Sophia | 11 | Vectors |
| | Luo | Yan | 11 | Economics and Game Theory |
| | Mastandrea | Nicholas | 11 | BCS Theory |
| | Mittal | Arushi | 11 | Mathematical Modeling |
| | Zhao | Lingfei | 11 | Nonparametric Function Approximation |
| The | ompson MS | | | |
| | Guo | Jordan | 7 | Big-O Notation |
| | Hon | Griffin | 7 | A Random Walk |
| | Hon | Lawrence | 7 | Data and Statistics |
| | Li | Katherine | 7 | Pascal's Triangle |
| | Mehta | Ria | 7 | Graph Theory |
| | Mittal | Anish | 7 | Game Theory |
| | Tooley | Arya | 7 | Fibonacci Sequence |
| | Wang | Ethan | 7 | Pascal's Triangle |
| | Yu | Michael | 7 | Binary System |
| | Rishi | Anoushka | 8 | Binary Systems |
| | Zhang | Amanda | 8 | Probability with Combinations and Permutations |
| | Zhuo | Ella | 8 | Traetenberg Speed System |
| We | est Hollow MS | | | |
| | Lerebours | Laura | 7 Team E | Cryptology |
| | Rimpel | Justin | 7 Team E | Cryptology |
| | Leshnower | Jacob | 8 | How Mathematics Solved Music's Temperament Problem |
| | Wang | Alice | 8 | A New Set of Axioms for Euclidean Geometry |
| Wh | eatley School | | | |
| | Gulati | Shrey | 9 | Magic Squares |
| | Pahuja | Armaan | 9 | Chaos Theory and its effects on Meterological Predictions |
| | Prajapati | Krittika | 9 | Binary Numbers |
| | Wong | Justin | 9 | THE INFLUENCE OF REPLACING PRIME NUMBERS IN PUBLIC KEY |
| | Bansal | Manav | 10 | Mathematical Models Utilizing Differential Equations to Model |
| | Chabria | Anya | 10 | The Applications of Mathematics in Literature |
| | Hassan | Sarah | 10 | Applying Linear Animation Using Mathematics Programing and Art |
| | Jayam | Viraj | 10 | Examining Functions Under Quasi-Stereographic Projections |
| | Arbitljacoby | Alex | 11 | Calculating Atomic Radius |
| | Belle | Alyssa | 11 | Preventing Motion Sickness in Virtual Reality |
| | Ramos | Madison | 11 | Mathematical Modeling Neural Networks |
| | Wong | Trenton | 11 | It's all about that Base: Three-Halves |
| | Zacheriah | Aaron | 11 | Transfinite Numbers |
| | Zhong | Sharon | 11 | Wind Resistance and Failure Analysis |
| Wo | odland MS | | | |
| | Pienkowski | Jakub | 7 | Blaise Pascal's Triangle |
| Wo | odmere MS | | | |
| | Rasheed | Ibrahim | 8 | Fibonacci Sequence History and How it is Used in Real Life |
| | Azemoun | Leeya | 8 Team A | Math Behind Waves |
| | Chavre | Hiral | 8 Team A | Math Behind Waves |
| | | | | |