



# WINNERS

OF THE 1,121 PAPERS SUBMITTED TO THIS YEAR'S MOODY'S MEGA MATH CHALLENGE, 200 (18%) ADVANCED TO THE SECOND ROUND OF JUDGING, OF WHICH 90 (8%) WERE DEEMED WORTHY OF RECOGNITION.

## SEMI-FINALISTS

Papers from the following six schools underwent in-depth discussion and were deemed of exceptional quality by judges. These teams are recognized as Semi-Finalists and will receive prizes of \$1,500 each.

**Adlai E Stevenson High School**  
(Team #8599), Lincolnshire, Illinois  
Coach: Paul Kim

**Edgemont Jr Sr High School**  
(Team #8959), Scarsdale, New York  
Coach: Bryan Paul

**Walter Johnson High School**  
(Team #9258), Bethesda, Maryland  
Coach: James Choi

**Pine View School**  
(Team #8779), Osprey, Florida  
Coach: Christine DeVeau

**Raleigh Charter High School**  
(Team #9145), Raleigh, North Carolina  
Coach: Barbara Soloman

**Clear Falls High School**  
(Team #9284), League City, Texas  
Coach: Scott Black

## HONORABLE MENTIONS

Teams representing the following schools are recognized for Honorable Mention distinction. Prizes of \$1,000 will be awarded to each of these 78 teams for noteworthy submissions.

ALBANY HIGH SCHOOL, ALBANY, California  
BASIS SCHOOL- SCOTTSDALE, SCOTTSDALE, Arizona  
BENILDE-ST MARGARET'S SCHOOL, ST LOUIS PARK, Minnesota  
BIOTECHNOLOGY HIGH SCHOOL, FREEHOLD, New Jersey  
BREBEUF JESUIT PREPARATORY SCH, INDIANAPOLIS, Indiana  
CAPITAL HIGH SCHOOL, HELENA, Montana  
CARMEL SENIOR HIGH SCHOOL, CARMEL, Indiana  
CATONSVILLE HIGH SCHOOL, BALTIMORE, Maryland  
CENTRAL BUCKS-SOUTH HIGH SCH, WARRINGTON, Pennsylvania  
CHARTER SCHOOL OF WILMINGTON, WILMINGTON, Delaware  
CHESTERTON HIGH SCHOOL, CHESTERTON, Indiana  
CHRISTIAN BROTHERS ACADEMY, LINCROFT, New Jersey  
COCOA BEACH JR SR HIGH SCHOOL, COCOA BEACH, Florida  
COLUMBUS NORTH HIGH SCHOOL, COLUMBUS, Indiana  
COLUMBUS NORTH HIGH SCHOOL, COLUMBUS, Indiana  
CYPRESS FALLS HIGH SCHOOL, HOUSTON, Texas  
DUNLAP HIGH SCHOOL, DUNLAP, Illinois  
FAIR LAWN HIGH SCHOOL, FAIR LAWN, New Jersey  
FRIENDS CENTRAL SCHOOL, WYNNWOOD, Pennsylvania  
FT MILL HIGH SCHOOL, FORT MILL, South Carolina  
GOLDEN SENIOR HIGH SCHOOL, GOLDEN, Colorado  
GOV LIVINGSTON HIGH SCHOOL, BERKELEY HTS, New Jersey  
GRANVILLE JR SR HIGH SCHOOL, GRANVILLE, New York  
GREATER LATROBE SR HIGH SCHOOL, LATROBE, Pennsylvania  
HATBORO-HORSHAM SR HIGH SCHOOL, HORSHAM, Pennsylvania  
HIGH TECHNOLOGY HIGH SCHOOL, LINCROFT, New Jersey  
HOMESTEAD HIGH SCHOOL, MEQUON, Wisconsin  
HUNTER COLLEGE HIGH SCHOOL, NEW YORK, New York

ILLINOIS MATH & SCIENCE ACAD, AURORA, Illinois  
INGLEMOOR SENIOR HIGH SCHOOL, KENMORE, Washington  
JOHNSTON SENIOR HIGH SCHOOL, JOHNSTON, Rhode Island  
JULIA R MASTERMAN MID HIGH SCH, PHILADELPHIA, Pennsylvania  
KINGS HIGH SCHOOL, KINGS MILLS, Ohio  
LAKE ZURICH HIGH SCHOOL, LAKE ZURICH, Illinois  
LOS ALTOS HIGH SCHOOL, LOS ALTOS, California  
LOUDOUN ACADEMY OF SCIENCE, STERLING, Virginia  
LOVELESS ACADEMIC MAGNET HS , MONTGOMERY, Alabama  
LOYOLA ACADEMY, WILMETTE, Illinois  
MAGGIE L WALKER GOVERNOR'S SCH, RICHMOND, Virginia  
MARINE ACADEMY OF TECHNOLOGY AND ENVIRONMENTAL SCIENCE, STAFFORD TOWNSHIP, New Jersey  
MARVIN RIDGE HIGH SCHOOL, WAXHAW, North Carolina  
MASTERS SCHOOL, DOBBS FERRY, New York  
MIDDLEBURY UNION HIGH SCHOOL, MIDDLEBURY, Vermont  
MIDLAND HIGH SCHOOL , MIDLAND, Michigan  
MILLS GODWIN HIGH SCHOOL, HENRICO, Virginia  
MONTGOMERY BLAIR HIGH SCHOOL, SILVER SPRING, Maryland  
MOUNTAIN VIEW HIGH SCHOOL, VANCOUVER, Washington  
NASHOBA REGIONAL HIGH SCHOOL, BOLTON, Massachusetts  
NEUQUA VALLEY HIGH SCHOOL, NAPERVILLE, Illinois  
NEWTON SOUTH HIGH SCHOOL, NEWTON CENTRE, Massachusetts  
NEWTON SOUTH HIGH SCHOOL, NEWTON CENTRE, Massachusetts  
NICHOLS SCHOOL, BUFFALO, New York  
NILES NORTH HIGH SCHOOL, SKOKIE, Illinois

NORTH PENN HIGH SCHOOL, LANSDALE, Pennsylvania  
NORTHWESTERN REGIONAL HIGH SCH, WINSTED, Connecticut  
ORANGE CO HIGH SCH OF THE ARTS, SANTA ANA, California  
ORONO SENIOR HIGH SCHOOL, LONG LAKE, Minnesota  
PINE VIEW SCHOOL, OSPREY, Florida  
POCONO MOUNTAIN EAST HIGH SCH, SWIFTWATER, Pennsylvania  
ROBINSON SENIOR HIGH SCHOOL, TAMPA, Florida  
RYE NECK HIGH SCHOOL, MAMARONECK, New York  
SACHSE HIGH SCHOOL, SACHSE, Texas  
SHENANDOAH VLY GOVERNOR'S SCH, FISHERSVILLE, Virginia  
SKYLINE HIGH SCHOOL , ANN ARBOR, Michigan  
SOUTHRIDGE HIGH SCHOOL, BEAVERTON, Oregon  
STANTON COLLEGE PREP SCHOOL, JACKSONVILLE, Florida  
THE ACADEMY FOR INFORMATION TECHNOLOGY ON THE UNION COUNTY VOCATIONAL-TECHNICAL HIGH SCHOOLS, SCOTCH PLAINS, New Jersey  
THOMAS JEFFERSON HS-SCI & TECH, ALEXANDRIA, Virginia  
THOMAS JEFFERSON HS-SCI & TECH, ALEXANDRIA, Virginia  
UNION CO MAGNET HIGH SCHOOL, SCOTCH PLAINS, New Jersey  
VALLEY HIGH SCHOOL, W DES MOINES, Iowa  
WAUCONDA CMTY HIGH SCHOOL, WAUCONDA, Illinois  
WEST LAFAYETTE JR SR HIGH SCH, W LAFAYETTE, Indiana  
WESTFIELD HIGH SCHOOL, WESTFIELD, New Jersey  
WESTLAKE HIGH SCHOOL, WESTLAKE VLG, California  
WILSON SENIOR HIGH SCHOOL, WEST LAWN, Pennsylvania  
WINCHESTER HIGH SCHOOL, WINCHESTER, Massachusetts  
YORKTOWN HIGH SCHOOL, ARLINGTON, Virginia

## FINALISTS

The top six awards, ranging from \$5,000 to \$20,000, will be awarded after the final round of judging on April 24 to teams representing the following high schools.

**Adlai E. Stevenson High School**  
(Team # 8597), Lincolnshire, Illinois  
Coach: Paul Kim  
Students: Albert Cao, Andrew Hwang, Deepak Moparthi, Joshua Yoon, Haoyang Yu

**Montgomery Blair High School**  
(Team # 9479), Silver Spring, Maryland  
Coach: William Rose  
Students: Andrew Komo, Siddharth Taneja, Eshan Tewari, James Vinson, Annie Zhao

**High Technology High School**  
(Team # 8878), Lincroft, New Jersey  
Coach: Ellen LeBlanc  
Students: Eric Jiang, Anjali Nambrath, Arvind Yalavarti, Kevin Yan, Lori Zhang

**NC School of Science and Mathematics**  
(Team # 8873), Durham, North Carolina  
Coach: Dan Teague  
Students: Miguel de los Reyes, Angela Deng, Evan Jiang, Dory Li, Lucy Wu

**Johns Creek High School**  
(Team #9120), Alpharetta, Georgia  
Coach: Julie Meert  
Students: Daniel Bodea, Alex Hammond Anshul Tusnial, Akhil Vaidya, Jamie Wang

**Westford Academy**  
(Team # 9653), Westford, Massachusetts  
Coach: Lisa Gartner  
Students: Nihar Sheth, Harshal Sheth, Kartik Singh, Adithya Vellal

## PRIZES: \$150,000

<b>M<sup>3</sup> Challenge Champion</b> .....	<b>\$20,000</b>
<b>M<sup>3</sup> Challenge First Runner Up</b> .....	<b>\$15,000</b>
<b>M<sup>3</sup> Challenge Third Place</b> .....	<b>\$10,000</b>
<b>M<sup>3</sup> Challenge Finalists (3)</b> .....	<b>\$5,000 each</b>
<b>M<sup>3</sup> Challenge Semi-Finalists (6)</b> .....	<b>\$1,500 each</b>
<b>M<sup>3</sup> Challenge Honorable Mentions (78)</b> .....	<b>\$1,000 each</b>
<b>Finalist Coaches (6)</b> .....	<b>\$500 each</b>



# MOODY'S MEGA MATH CHALLENGE®

## Final Event: Monday, April 24, 2017 PROGRAM

### ABOUT THE CHALLENGE

Moody's Mega Math Challenge is an Internet-based math modeling contest in which teams of high school students must solve an open-ended, realistic, applied math problem focused on a real-world issue. Each school may enter up to two teams of three to five junior and/or senior students, who spend up to 14 hours on Challenge weekend devising and submitting a solution to the Challenge Problem. Following a rigorous two-stage judging process, the top six teams present their findings to a panel of professional mathematicians who determine the final ranking of the winning papers. Since 2006, the Challenge has awarded over \$1.2 million in scholarship prizes to students from in the United States.

### ABOUT THE SPONSOR:

#### Moody's Corporation

Moody's is an essential component of the global capital markets, providing credit ratings, research, tools and analysis that contribute to transparent and integrated financial markets. Moody's Corporation (NYSE: MCO) is the parent company of Moody's Investors Service, which provides credit ratings and research covering debt instruments and securities, and Moody's Analytics, which offers leading-edge software, advisory services and research for credit and economic analysis and financial risk management. The Corporation, which reported revenue of \$3.5 billion in 2015, employs approximately 10,900 people worldwide and maintains a presence in 36 countries. Further information is available at [www.moody.com](http://www.moody.com).

#### The Moody's Foundation

Built on the recognition that a company grows stronger by helping others, The Moody's Foundation works to enhance its communities and the lives of its employees by providing grants and engaging in community service in local neighborhoods. The Moody's Foundation, established in 2002 by Moody's Corporation, partners with nonprofit organizations to support initiatives such as education in the fields of mathematics, finance, and economics, as well as workforce development, civic affairs, and arts and culture. For more information, please visit [www.moody.com/csr](http://www.moody.com/csr).

### ABOUT THE ORGANIZER

The Society for Industrial and Applied Mathematics (SIAM), headquartered in Philadelphia, PA, is an international society of more than 14,000 individual members, including applied and computational mathematicians and computer scientists, engineers, physicists, and other scientists. Members are researchers, educators, students, and practitioners from over 100 countries working in industry, government, laboratories, and academia. The Society, which also includes nearly 500 academic and corporate institutional members, serves and advances the disciplines of applied mathematics and computational science by publishing a variety of books and prestigious peer-reviewed research journals, by conducting conferences, and by hosting activity groups in various areas of mathematics. SIAM provides many opportunities for students including regional sections and student chapters. Further information is available at [www.siam.org](http://www.siam.org).

### AWARDS AND RECOGNITION

ASAE Associations Advance America (AAA) Award of Excellence  
Committee Encouraging Corporate Philanthropy (CECP), Excellence Award

The National Association of Secondary School Principals has placed this program on the NASSP National Advisory List of Student Contests and Activities since 2010.



[M3Challenge.siam.org](http://M3Challenge.siam.org)

### WELCOME BREAKFAST

- 8:00 Opening Remarks
  - Arlene Isaacs-Lowe  
President, The Moody's Foundation
  - Dr. Erika Camacho  
Professor, Mathematical and Natural Sciences,  
Arizona State University; SIAM

### LUNCH

- 12:00
  - Dr. Amanda Babson  
Coastal Climate Adaption Coordinator,  
U. S. National Park Service
  - Matthew Kuchtyak  
Analyst, Public Finance,  
Moody's Investor's Service, Inc.

### TEAM PRESENTATIONS

- 9:00 Johns Creek High School  
Team #9120
- 9:25 NC School of Science and Mathematics  
Team #8873
- 9:50 Adlai E. Stevenson High School  
Team #8597
- 10:15 Intermission
- 10:30 High Technology High School  
Team #8878
- 10:55 Westford Academy  
Team #9653
- 11:20 Montgomery Blair High School  
Team #9479

### MOODY'S INFORMATIONAL SESSION

- 1:00–2:00 Moody's: Who we are; what we do.  
Brett Hemmerling  
Assistant Vice President, Campus Recruiting
- 2:00–2:30 Networking with Moody's professionals

### AWARDS CEREMONY AND RECEPTION

- 2:30–3:00 "Best of" video:  
2017 Challenge Experience  
Winners Announced  
Arlene Isaacs-Lowe  
President, The Moody's Foundation
- Team Photos
- 3:15 Meet at Marriott for transport  
to airport/trains

