

**For every aspiring young mathematician who enjoys the fun of a challenge and problem solving
- to prove to yourself “I can do this ” - Math Olympiad is for you.**

Math Olympiad (“**MOEMS**”), is a team based approach to solving creative and out-of-the box Math Problems that puts the magic back into math. MOEMS provides the thrill of the discovery, that “Aha!” moment which brings with it deep satisfaction, of solving a problem and a sense of accomplishment.

Open to **Grades 3, 4 & 5**, students can join the BASC sessions offered on:

- Grades 4 & 5: Monday, Tuesday and Friday (maximum capacity 15 per session);
- Grade 3: Thursday (maximum 15)
- or form a private group for weekly coaching on Math Olympiad problems.

Students may elect to compete in the five Math Olympiad contest which will take place during the Fall and Winter BASC semesters.

The highlights for competing students are the five contests, however the contests are not mandatory.

The BASC sessions run for 13 weeks. The monthly competitions run November through to March.

The goal of MOEMS is:

- To stimulate enthusiasm and a love for Mathematics
- To introduce important Mathematical concepts
- To teach major strategies for problem solving
- To develop Mathematical flexibility in solving problems
- To strengthen Mathematical intuition
- To foster Mathematical creativity and ingenuity
- To provide for the satisfaction, joy, and thrill of meeting challenge

A SPECIAL WELCOME TO THE NEWEST MEMBERS OF MOEMS TEAM INSTRUCTORS:

Derrick DiRienzo is currently a fourth grade teacher at Bronxville Elementary School. This is his fifth year in Bronxville and in the past he has taught both general and special education in grades 3, 4 and 5. Derek is the MOEMS Head Instructor for the ES Division E Grades 4 and 5.

Ms. Hollocou: “I have a true passion for math. I am a new third grade teacher at Bronxville, having taught previously in Harlem, lower Manhattan and the South Bronx. I have my General and Special Education masters with an extension in Gifted and Talented Education. I believe that in order to have a deep understanding of math you

must work independently and collaboratively on problems that stretch your thinking to places you never thought it would go. I look forward to doing this with your students during Math Olympiad.” Ms. Hollocou is the Head Instructor for Grade 3.

Who can join the team?

Students in grades 3, 4 and 5 are welcome to join the team.

What is the maximum capacity per session?

15

*** Good to know small print: We do need a minimum number of students per class in order to proceed. There is always the risk that we may not meet this requirement.

How does Math Olympiad work?

Two parts:

1. Team problem solving and training sessions. Weekly, creative learning and problem solving in a team dynamic setting. This is offered in two options, your student can choose to do one or both: i) one weekly BASC session on either Monday, Tuesday or Friday for Grades 4 and 5, or Thursday for Grade 3 (Max. capacity 15 students per session) and/or ii) With a Private Groups (formed independently).
2. Competitions. 5 contests, November through to March, competing against 200,000 students from 6,000 teams worldwide including all 50 states and about 30 other countries.

What are Private Groups?

- a) Self select into groups of 5 to 7 students with a tutor for 60mins per week. You determine time and location for complete flexibility. To coordinate, email BXVstem@gmail.com to get connected to both the tutor and other students interested in this option, however these are not organized by us, we will just connect you with other interested students. Finding a team depends on other students also interested in this approach, scheduling and capacity constraints.
- b) Independent self paced study. Study materials are available on the website listed below.

What Study Aids do I purchase?

MOEMS® CONTEST PROBLEMS Volume 1 edited by Richard Kalman & Nicholas J. Restivo.

MOEMS STUDY BOOK VOLUME 1

Additional study materials may be purchased via Math Olympiad. Calculators and other study aids are not permitted. Please remember to bring a pencil to study sessions.

How do the competitions work?

Taken individually 5 Contests 30 minutes per contest 5 easy-to-grade questions - the answers are either correct or incorrect, no partial credit. The questions become increasingly difficult from numbers 1 through 5.

Pencil and paper contests: no calculators or other aids required.

No travel – we determine the location, BXV ES school

Unfortunately, per competition rules, there are no make up dates for the competitions. Only one session for each of the five competitions will be provided.

What are the competition prizes?

Every participant receives a Certificate of Participation Students recognized in:

- Upper 50%
- Top 10%ile
- Top 2%ile

Trophy for the highest scorer Students receiving a perfect score (25/25) awarded the George Lenchner Medal.

Why join?

MOEMS is a not-for-profit corporation dedicated to – stimulating enthusiasm, – fostering creativity, and – strengthening intuition in mathematical problem solving. Using five contests, teams of up to 35 students explore mathematical concepts while developing flexibility in non-routine problem solving. The foundational skills nurtured are lifelong – the intellectual discipline of actively and skillfully conceptualizing, applying, analyzing, synthesizing, and evaluating information – stimulating innovative & creative problem solving.

Who is the main contact for Math Olympiad?

Anthony Vaglica

avaglica@bronxvilleschool.org