

STUDENT SYMPOSIUM
IN
MATHEMATICS

Grades 5 - 8

MAY 25, 2010

*The Nassau County Association of Mathematics
Supervisors*

The Nassau County Mathematics Teachers Association

Directions to Molloy College

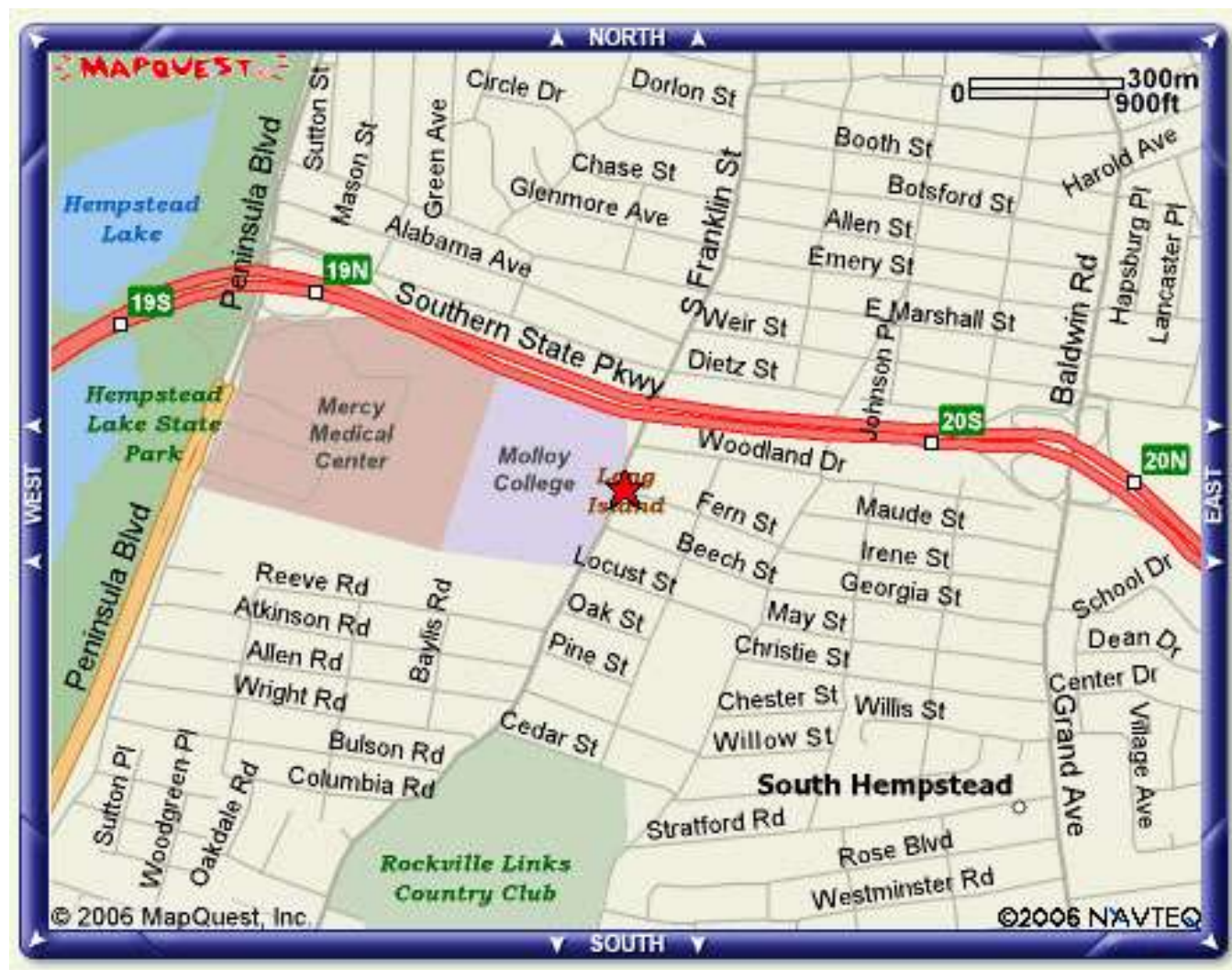
Rockville Centre Campus

Travel by Car

Take the Southern State Parkway (reached via the Cross Island Parkway from the Whitestone and Throgs Neck Bridges; or via the Belt Parkway from the Verrazano Bridge) to either Exit 19 or Exit 20. Follow map below to campus.

Travel by Railroad & Bus

Take the Long Island Railroad Babylon line from Pennsylvania Station in Manhattan, Flatbush Avenue Station in Brooklyn, or other Babylon line stations to the Rockville Centre Station. (Eastbound travelers inquire for possible change at Jamaica Station.) Bus and taxi service is available to and from campus. The N16 line of the Metropolitan Suburban Bus Authority stops at the campus entrance.





NASSAU COUNTY ASSOCIATION OF
MATHEMATICS SUPERVISORS



NASSAU COUNTY MATHEMATICS
TEACHERS ASSOCIATION



To: Building Principals
Heads of Mathematics Departments
Symposium Speakers

From: Student Symposium in Mathematics Planning Committee

Date: March 2010

The Nassau County Association of Mathematics Supervisors and the Nassau County Mathematics Teachers Association are pleased to announce our Annual Student Symposium in Mathematics for students in grades five through eight. The Symposium will be held on Tuesday, May 25, 2010 from 9:00 a.m. to 1:15 p.m. on the campus of Molloy College.

Because of the large number of schools in Nassau County and because of the limited number of speakers and rooms, we need your registrations no later than **May 10, 2010** to provide your students with the best possible choices.

Please read all of the details that follow. If you have any further questions, please call Tara Werle at (516)678-1269 or e-mail to twerle@oceansideschools.org, or Ian Dunst at (516) 237-2564 during the day or e-mail to idunst@mineola.k12.ny.us.

A. PARTICIPANTS/LIMITS

- 1) If your school structure is:
- | | |
|---------------------------|---|
| <i>K – 5</i> | <i>You may bring a maximum of:</i>
<i>1 group comprised of 8 fifth graders</i> |
| <i>K – 6</i> | <i>1 group comprised of 8 fifth and/or sixth graders</i> |
| <i>K – 8 or
5 – 8</i> | <i>1 group comprised of 8 fifth and/or sixth graders
and
1 group comprised of 8 seventh and/or eighth graders</i> |
| <i>6 – 8</i> | <i>1 group comprised of 8 sixth graders
and
1 group comprised of 8 seventh and/or eighth graders</i> |
| <i>7 – 8</i> | <i>1 group comprised of 8 seventh and/or eighth graders</i> |
- 2) Each group of 8 students is required to complete a separate registration form and remit an \$85.00 fee payable to NCAMS. An adult chaperone must accompany each group of 8 students.

Districts that provide speakers, volunteers and/or active committee members for this conference will receive a discount of \$15 per group registered and may qualify to bring an additional group of students. Volunteers are needed. If you have not already volunteered to help out on this day, please contact Tara Werle at 516-678-1269 or twerle@oceansideschools.org

- 3) Selected students should have an above-average interest or talent in mathematics. Each school must provide a teacher-chaperone who will be responsible for the active supervision of all students from that school. Detailed guidelines for the teacher-chaperones will follow.

B. SCHEDULE FOR THE DAY

Tuesday, May 25, 2010

Registration	9:00 – 9:15
Session I	9:25 – 10:10
Session II	10:20 – 11:05
Session III	11:15 – 12:00
Session IV	12:10 – 12:55
Evaluations	1:00 – 1:15

C. SITE

Molloy College, Rockville Centre, New York (see enclosed map and directions)

D. REGISTRATION/PROGRAM SELECTION

- 1) A list of speakers, topics and brief abstracts accompanies this memo. Teachers and/or students should read these materials, select **six (6)** presentations, and list them in priority order on the attached registration form.
- 2) We will attempt to schedule you for three of your seven choices. Priority will be given to schools that provide speakers, volunteers and/or active committee members and you are more likely to get your choices if you register early. ***You must report to your assigned activity*** and **cannot** have your schedule changed.
- 3) Registration materials will be available in the main lobby.

E. CONFIRMATION/CUT-OFF DATES

Registration will be taken by mail only on a first-come, first-served basis and must be postmarked **no later than May 10, 2010**. When our pupil quota is reached, we will not be able to accept any further registrations. Please mail early to guarantee your registration.

F. FEE/RETURN FORMS

- 1) There is a \$85.00 registration fee for each group of eight students (\$15 discount for schools providing speakers, volunteers, or active committee members.) Checks should be made payable to **NCAMS**.
- 2) A check or purchase order must accompany all completed registration forms and should be mailed to:

Tara Werle
186 Alice Ave
Oceanside, NY 11572

G. LOCAL/SCHOOL RESPONSIBILITIES

- 1) Transportation of students to and from the Symposium is the responsibility of your school.
- 2) Selection of Students
The program is aimed at enriching and exciting students about topics in mathematics. Carefully select the students you wish to attend. Aim for those students who are truly eager to learn mathematics and can conduct themselves appropriately for the duration of the day.

H. LUNCH

- 1) Since time is limited, have students **bring their own lunches** (including drinks), no glass bottles.
- 2) Lunch will be during Session II or Session III. There will not be enough time for students to leave the building and purchase lunch.
- 3) Students will eat their lunch in Anselma Room in Kellenberg Hall.

I. EMERGENCY PHONE NUMBERS

- 1) The phone number at Molloy College is (516) 679-5000. This should only be used in an emergency.

SPEAKERS AND TOPICS

THE TWENTY-EIGHTH STUDENT SYMPOSIUM IN MATHEMATICS

GRADES 5 – 8

May 25, 2010

SPONSORED BY

NASSAU COUNTY ASSOCIATION OF MATH SUPERVISORS

NASSAU COUNTY MATH TEACHERS ASSOCIATION

HELD AT

MOLLOY COLLEGE

1 Carolyn Saur & Nicole Ramaglia **Grades 5 and 6**
Math Games

This workshop is designed to put your fraction and decimal skills to the test. We have some fun challenges that will require you to apply your number sense in friendly competition.

2 Joanne Fleming **Grades 5 and 6**
Brain Strain

Forty-five minutes of challenging math exercises guaranteed to pump up your brain cells. Team competitions – so bring your a game!!

3 Deborah Upton **Grade 5 and 6**
Toothpick Teasers, The Tukatomee Tile, and Other Tasks!

Test your geometry and problem solving skills with some fun, hands-on activities. Take some ideas home with you to challenge your teachers, family, and friends.

4 Juanita Maltese **Grades 5, 6, 7 and 8**
Sci-Fi Math

The best science fiction presents ideas that are just a little bit beyond our capabilities. What do "Star Wars", "Contact", "A Wrinkle in Time" and Albert Einstein have in common? Where can math and technology take us?

5 Richard Kalman **Grades 5, 6, 7 and 8**
Another Math Olympiad Session

Teams of four will compete face to face against each other on these rich challenging problems using a cooperative team format. If you like solving authentic problems, you'll love this session.

6 Allison Kryder **Grades 7 and 8**
CSI: Crime Scene Investigation

Create scatterplots and use the correlation to solve a crime mystery.

7 Dr. David Wayne **Grades 7 and 8**
Great Problems from Simple Solutions

Challenge yourself to find solutions to problems that arise from simple ideas. They may not be as simple as you think. We will look at games, card tricks and number patterns.

8 Dr. Robert Gerver **Grades 7 and 8**
Optical Illusions, Space Visualization, and the works of M.C. Escher

Over 100 different slides will convince you that seeing is NOT believing!!

9 Marisa Mauro **Grade 7 and 8**
Math Magic Tricks

Through a variety of activities students will have fun exploring applications of mathematics with various tricks and mind games.

10 Kristin Frayler **Grade 7 and 8**
Platonic Solids

Do you know about "Euler's Formula"? Platonic Solids are everywhere. In this workshop we will explore the 5 Platonic Solids that exist and why we only have 5. You will also get to create a Platonic Solid of your own to bring back to school with you.