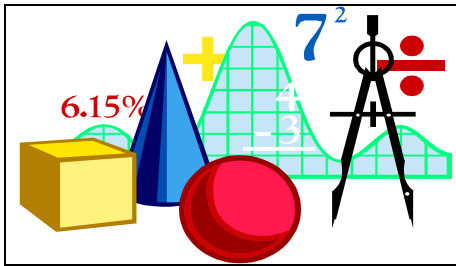# Nassau Mathematics Tournament
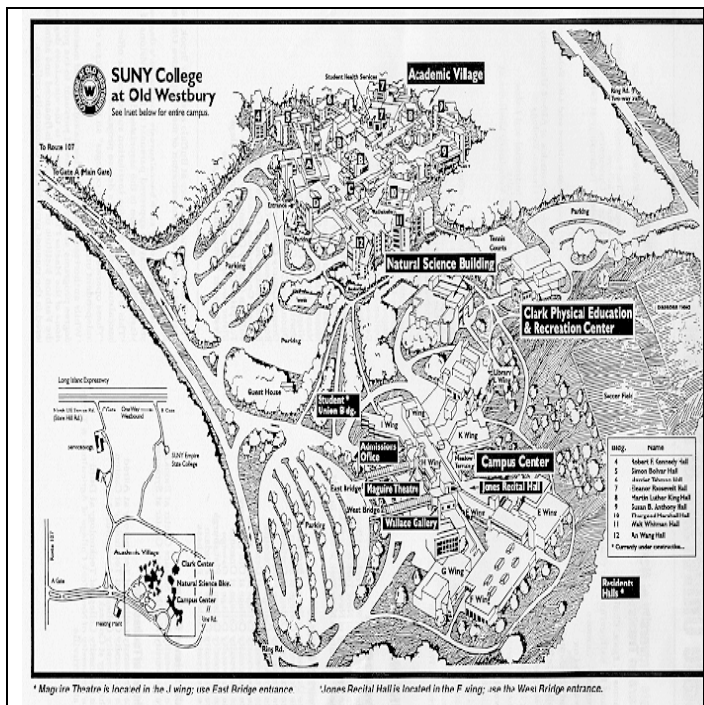
at SUNY-Old Westbury

SUMMARY OF RULES

1. Structure: Two separate divisions: *UPPER* (grades 11-12) and *LOWER* (grades 9-10).
EVENTS: Three competitions; an individual event with grade specific questions, a traditional individual math team event with the same questions for everyone, and a cooperative team event, with talking permitted. Lunch followed by awards assembly.

2. Solutions: **All parts of the competition will have integer solutions ranging from 0 to 999. This means that no fraction, decimal, or irrational responses will be acceptable.**

3. Individual: Students are grouped by grade level for this round, which consists of one set of fifteen problems in 45 minutes. Only classroom knowledge is assumed (grade 9 - Course I; grade 10 - Course II; grade 11 - Course III; grade 12 – precalculus/**calculus**). **Calculators are NOT permitted for this event**.
One point per correct response.
Maximum score: team - 75 points; individual - 15 points.

4. Mathletics: Students are grouped by team but work separately on a set of ten multiple choice problems in 30 minutes. Topics cover all math team topics as well as the standard high school curriculum. Younger students lack some background, but they compete only against each other.
Calculators <u>are</u> permitted for this event. *One point per correct response.*
Maximum score: team - 50 points; individual - 10 points.

5. Team event: Each team works cooperatively, but must remember that nearby teams are competitors. Time is a major factor. One set of twenty problems in 60 minutes.
Calculators <u>are</u> permitted for this event. *Three points per correct response.*
Maximum score: team - 60 points.

6. Tourney Points: **Each team consists of 5 students.** Team scores are the sum of all individual scores and the Team Event score. Ties are recognized with duplicate awards. Team ties will be decided by a tiebreaker.
Maximum score: team - 185 points (75+50+60); individual - 25 points (15+10).

7. Awards: The Top Ten teams in each division receive awards. The Top Ten individuals in each grade and the Top Ten individuals overall receive awards. All participants receive certificates.

8. Limitation: Four teams per school, unless there are open positions after the deadline for signing up teams.

Registration by Internet Only

Nassau Mathematics Tournament

at SUNY-Old Westbury

Date:	*Friday, February 3, 2012*
	Snow date: February 10, 2012
Time:	*7:30 am - 2:00 pm*
Fee:	*Team of 5: $110*
Eligibility:	*Student, Grades 9 – 12*

Sign-ups begin on or about *October 17, 2011*
We will need the number of teams, the grade level, and the names of the students on each team.
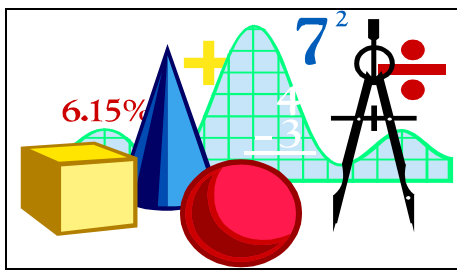
Final deadline: *December 16, 2011*

Directors: *Arthur Kalish, Syosset HS (Retired)*
Farrel Powsner, Roslyn HS (Retired)
Jong Pil Lee, SUNY Old Westbury

Registration, Competition and Lunch
at Campus Center

UNIQUE! EXCITING! FIERCELY COMPETITIVE! THAT'S THE TWENTY-SECOND ANNUAL NASSAU MATHEMATICS TOURNAMENT. HOW DO WE DO IT? HERE'S HOW:

* Hundreds of mathletes - all in one place at one time.
 * A full day of face-to-face competition.
  * A full-blown Tournament atmosphere.
   * A great way to introduce students to Math Contests.
    * Six different events - 90 problems - all in the same day.
     * Awards assembly on the same day.
      * Each mathlete tackles 45 problems in 3 events.
       * Fee includes lunch.
        * Fee includes Tournament Problem and Solution Book.
         * Fee includes programs and certificates for all.
          * Awards! Awards! Awards! 40 individual, 20 team.
           * Problems require ingenuity and speed - an average of 3 minutes each.

Presented with the support of Dr. Calvin Butts, President, SUNY at Old Westbury, Dr. Jong Pil Lee, Distinguished Service Professor.

Nassau Mathematics Tournament
at SUNY-Old Westbury

SCHEDULE

7:30 – 8:15	REGISTRATION
8:30 – 8:45	WELCOME ASSEMBLY

EVENTS

9:00 – 9:45	GRADE LEVEL ROUND
10:00 – 10:30	MATHLETICS ROUND
10:45 – 11:45	TEAM EVENT
12:00 – 12:45	LUNCH

The Awards Assembly finishes by 2:00 PM. The Problems/Solutions Booklet and all awards are distributed at the Assembly.
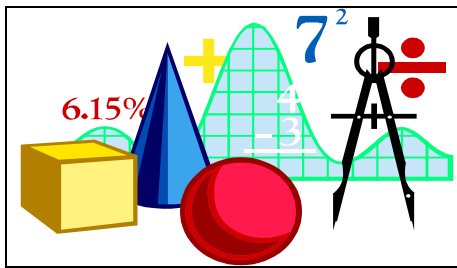
For further information, contact:

Art Kalish, Syosset HS (Retired)   cell: 631-742-5425
     home: 631-421-5293

Farrel Powsner, Roslyn HS (Retired)   cell: 646-242-5643
     home: 718-251-1468

Graphing Calculators Acceptable for Use in the Tournament

The following graphing calculators are acceptable for use in the tournament. **Scientific calculators are permitted as well**. Coaches should check their own students' calculators to ensure that the required conditions are met. If a student wishes to use a calculator that is not listed below, the coach must contact Nat Janoff or Matt DeMarinis to receive written permission for the student to use the calculator in the tournament.

Casio
FX-6000 series
FX-6200 series
FX-6300 series
FX-6500 series
FX-7000 series
FX-7300 series
FX-7400 series
FX-7500 series
FX-7700 series
FX-7800 series
FX-8000 series
FX-8500 series
FX-8700 series
FX-8800 series
FX-9700 series
CFX-9800 series
CFX-9850 series

Hewlett-Packard
HP-28 series
HP-48 series
HP-38G

Radio Shack
EC-4033
EC-4034
EC-4037

Sharp
EL-5200
EL-9200 series
EL-9300 series

Texas Instruments
TI-80
TI-81
TI-82
TI-83
TI-84
TI-85
TI-86
TI-89
TI-NSpire

Note: This list will be updated, when necessary, to include new allowable machines.

Unacceptable machines include the following:
Powerbooks and portable computers
Pocket organizers (Wizard, etc.)
Electronic writing pads or pen input devices (Newton, etc.)
Devices with QWERTY keyboards (HP-95, TI-92, etc.)