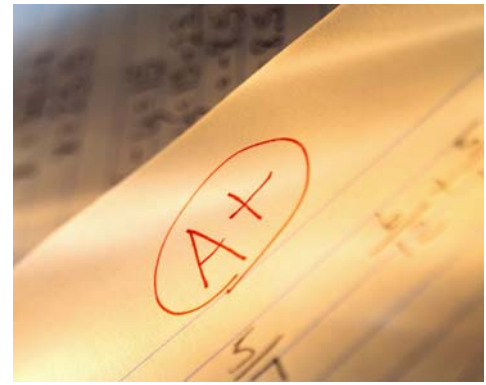


Understanding the New NYS Math Standards

(Sloan Course – 15 hours)



Office Contact Information

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Office Hrs TBA

Additional office hours using Elluminate Program will be on: (TBA)

To download Elluminate go to: <http://www.elluminate.com>

Dates:

TBD

Course Description:

With new state standards in math, grade 3-8 math teachers, AIS teachers, and Special Ed. teachers alike need to understand and have students use techniques in order to be successful in comprehension, application and communication of mathematics. In this course, teachers will take an in depth look at the new Process and Content strands adopted by New York State. Furthermore, they will discover and set up a scope and sequence for Pre-March and Post-March topics as well as prepare students for the State Assessments with particular attention made to differentiated instruction to support AIS, Special Education and General Education students in their achieving success of the state exams.

Participants will:

Week One

Understand new math standards in grades 3-8 in New York State and know how they apply through the continuum of each grade level.

Week Two

Apply knowledge of Process standards and how they can be incorporated within each Content Strand.

Week Three

Evaluate the scope and sequence of their particular Grade level and see the "Big Picture" of standards for **Pre-March** topics to be covered.

Week Four

Evaluate the scope and sequence of their particular Grade level and see the “Big Picture” of standards for **Post-March** topics to be covered.

Week Five

Know expectations of what should be taught before and after their grade level.

Week Six

Understand the purpose of Rubrics in new Assessments and their role in formulating math instruction.

Examine new assessment design in New York State Math exams 3-8.

NYS Standards:

MST 3

Five Content Strands: Number Sense and Operation, Algebra, Geometry, Measurement, Statistics and Probability

Five Process Strands: Problem Solving, Reasoning and Proof, Communication, Connections, and Representation

Recommendation of in-service credit:

One in-service credit will be recommended by the instructor on the satisfactory completion of all assignments and requirements.

Participation with all assignments is essential for success in this course.

There will be one required synchronous activity at the beginning of the course. We will meet in Elluminate. There will be two meeting times to choose from. One will be: TBA.

All materials taken from other sources must have the correct citations.

Prerequisite Skills/Requirements:

Participants should be able to access the Internet, open and download attachments, and send and receive email.

Participants should know how to use Microsoft Word and Microsoft Power Point.

Office Hours:

I will have optional office hours using Elluminate three times during the course. You will need a speaker and microphone or headset with microphone for the computer.

Review the following:

http://eeznt3.nyiteez.org/nycgrants/nyc_info.htm

To download Elluminate go to: <http://www.illuminate.com/support>