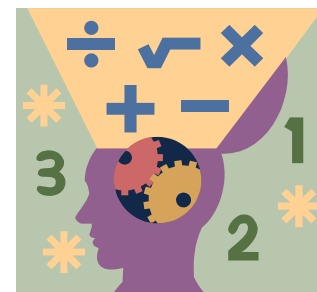




Did You Know...

East Rockaway Implements the Common Core Standards in Mathematics?



Standards



New York has joined 45 other states in adopting National Common Core standards for Mathematics



Grades K-2 are teaching the Common Core standards this year. Grades 3 and up will begin in September 2012



Beginning in 2012-13 New York State assessments in grades 3-8 will be based on the Common Core standards



The standards are designed for all students to be ready for algebra in grade 8, and ready for college and careers after High School

Mathematical Practice



The eight standards for mathematical practice are designed for all students to acquire deep conceptual understanding in order to:

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics.
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

Content Domains



Grades K-5:

- Counting & Cardinality (grade *K only*)
- Numbers & Operations in Base 10
- Numbers & Operations with Fractions (*grade 3-5*)
- Operations & Algebraic Thinking
- Geometry
- Measurement & Data



Grades 6-8:

- Ratios & Proportional Relationships
- The Number System
- Expressions & Equations
- Functions
- Geometry
- Statistics & Probability

Key Fluencies



Grades K-2:

Addition, subtraction & measurement of whole numbers



Grades 3-5:

Multiplication & division of whole numbers and fractions



Grade 6:

Ratios & proportional reasoning; early expressions & equations



Grade 7:

Ratios & proportional reasoning; arithmetic of rational numbers



Grade 8:

Algebra

For more information go to <http://www.corestandards.org/> or http://www.pta.org/common_core_state_standards.asp