

MCSD K-6 To Implement Engage NY Math Content for 2015-2016 School Year

The goal is to support instruction of Common Core Learning Standards and further develop College Readiness in our students in mathematics.

Engage NY is an open source language arts and math curriculum grant funded through the New York State Education Department (NYSED) to engage teachers, administrators, and education experts across the State and nation in the creation of curriculum resources, professional development materials, test specifications, and other test related instructional materials that support districts transition to the Common Core.

Engage NY curriculum helps to prepare students with the knowledge and skills they need to succeed in college and in their careers. In mathematics courses, the Common Core State Standards demand that teachers focus their instruction on fewer, more central standards (<http://engageny.org/resource/priorities-in-common-core-standards-for-mathematical-content/>), thereby providing room to build core understandings and linkages between mathematical concepts and skills.

Six Shifts in Mathematics Assessments:

Shift 1: Focus Priority; standards will be the focus of the assessments. Other standards will be deemphasized.

Shift 2: Coherence Assessments; will reflect the progression of content and concepts as depicted in the standards across grade levels.

Shift 3: Fluency; It will be assumed that students possess the required fluencies as articulated through grade 8; as such, students will not be allowed to use calculators in grades 3-5. Students will be allowed to use four-function calculators with a square root key or scientific calculators in grade 6 and scientific calculators in grades 7-8.

Shift 4: Deep Understanding; each standard will be assessed from multiple perspectives, while not veering from the primary target of measurement for the standard.

Shift 5: Application

Shift 6: Dual Intensity; Students will be expected to know grade-level mathematical content with fluency and to know which mathematical concepts to employ to solve real-world mathematics problems.

Engage NY will focus on the use of grade level curriculum modules to teach learning standards. Each grade level will have access to year-long scope and sequence documents, framework/overview documents, performance tasks (for administration in the middle and at the end of each module) lesson plans, lesson plan support materials (work sheets, homework, etc.) and formative assessments at the unit level.

There are also professional development videos, activities, resources, strategies shared to teach CCSS as well as assessment materials. The district will also have an Engage NY instructional math coach come to the district to spend 4 days in our school district next school year.