

## Overview and Background Math Curriculum Review Process

During the 2012-2013 school year, the District 36 Math Committee completed Year Two of the Math Curriculum Review. The School Board approved the following components of the K-8 revised Mathematics curriculum in the Spring of 2013:

- K-8 curriculum KUDs (what students are expected to **K**now, **U**nderstand, and **D**o) aligned to the Common Core State Standards and the Standards for Mathematical Practice
- K-8 Overarching Essential Questions and Overarching Understandings
- Winnetka District 36 Mission & Beliefs for Mathematics
- Common instructional materials for Grades K-5

Prior to 2013-2014 academic year, teachers participated in a week long summer training to support the implementation of the revised curriculum and new instructional materials in the Fall.

### Implementation Year 1 - 2013-2014

The newly revised curriculum KUDs, approved by the School Board at the March 2013 meeting were implemented the following year in all K-8 classrooms. Over the course of the school year, teachers provided feedback regarding the KUD essential questions, the rigor of the established understandings, and the alignment of the materials to the Common Core State Standards for each math unit. In the summer of 2014, teacher representatives from the Math Committee and each grade level revised the math curriculum KUDs based on this feedback and revised the grade level scope and sequences.

### Implementation Year 2 - 2014-2015

The second year of the implementation involved a review of resources intended to supplement the core instructional materials and provide differentiation resources for Grades K-5 that included Contexts for Learning, The Numerical Fluency Assessment, and ST Math. This process involved professional learning, modeling of materials, the use of demonstration classrooms, and review of student work. During the summer of 2015, members of the District Math Committee again reviewed the grade level scope and sequences to incorporate supplementary materials.

### Implementation Year 3 - 2015-2016

Having completed a two year cycle of curriculum and scope and sequence revisions, the third year of implementation focuses on examining student engagement and the impact on growth and achievement. Changes in the curriculum led to changes in the nature and structure of assessment. The next essential step in the curriculum review process is to develop district assessments that allow for the regular review of data to determine growth and achievement patterns.

### 2015-2016 Math Program Evaluation

In 2011-2012, math consultant, Dr. Nanci Smith, conducted a K-8 math program evaluation prior to the District initiating its math curriculum review cycle. The program evaluation, intended as a baseline, would allow the District to analyze student impact once the newly revised math curriculum review was complete and fully implemented. The District will conduct a follow up math program evaluation beginning in February, 2016, to determine its overall effectiveness. The program evaluation will review curriculum, materials, instructional practices, and professional development. The evaluation will be conducted by Dr. Miriam Sherin, Northwestern University, and Mr. Jim Lynn, University of Illinois Chicago, both highly qualified experts in the field of mathematics education. This comprehensive review will include classroom observations in Grades 1-8, teacher focus groups, parent focus groups, and principal interviews. The evaluation will provide the District with objective feedback regarding areas of strength, areas in need of improvement, and future recommendations.