
Mathematics Curriculum
Review K-8
Action Plan
Update

April 27, 2009

Action steps - Areas for improvement

- I. Provide a balanced instructional approach
- II. Ensure consistency in instruction
- III. Increase parent communication

I. Provide a balanced instructional approach

- Elementary through Grade 5
 - Kindergarten to grade 2 – Math Perspectives
 - New Investigations units for grades 2-5
 - Clearly outlines ideas for enrichment and reinforcement
 - Added units to reinforce number sense – understanding of the basic facts
 - SuccessNet – online tool for teachers, students, and families
- Grades 6-8
 - Continued monitoring of Connected Mathematics and Algebra programs

I. Provide a balanced instructional approach

■ **Grade 6 Connected Mathematics Program (CMP)**

■ **Mixed Ability Grouping/Flexible grouping**

- Grade 7 placement/assessment process conducted throughout the school year

■ **Grade 7 Placement Options:**

- Grade 8 placement/assessment process conducted throughout the school year

■ **Honors CMP 7-0**

- Some students may also take an Algebra placement exam to determine if they can skip grade 7 math and take a formal high school Algebra course

■ **CMP 7-1**

- Course for all other students--flexibly grouped according to assessment results throughout the school year

■ **Grade 8 Placement Options:**

■ **Honors Algebra**

- Formal high school algebra course *Note:* for students who completed this course in grade 7 a **Geometry** offering will exist

■ **Introduction to Algebra and Geometry**

- Course for all other students--flexibly grouped according to assessment results throughout the school year

I. Provide a balanced instructional approach

Middle School Placement Process Goals:

- Ensure that all students have firm grasp of middle school mathematics concepts needed for higher level math courses
- Ensure students are placed at “stretch” instructional level
- Ensure students are placed with peers of like ability
- Provide transparent criteria for math levels
- Monitor follow-up assessments to ensure correct placement
- Coordinate first units of instruction in Fall to assist in student movement across levels
- Communication between family and schools frequent

II. Ensure consistency in instruction

Investigations and Connected Mathematics Program, Algebra

- Professional Development Topics included:
 - Review of student assessment data
 - Review of curriculum resources
 - Review of expectations /pacing for 2-5 mathematics classrooms
- Class time, K-8
 - Kindergarten – 45 minutes
 - Grades 1-5 – 60 minutes plus ten minute math
 - Grades 6-8 – 60 minutes plus flex time

II. Ensure consistency in instruction

- Curriculum leader and department heads:
 - Review pacing guides to ensure completion of all standards
 - Conduct teacher-to-teacher observations
 - Supervise and evaluate teachers –
 - Middle School Dept.Head and Building Principal(s)
 - Use department and school meetings to review units, discuss data from assessments

III. Increase parent communication

K-8

- Conducted Family Math Nights, inclusive of distribution of Parent Handbook
- Posted to website - formal presentations, curriculum benchmarks, parent handbook
- Utilized electronic communication resources
- Highlighted mathematics in class newsletters
- Distributed letters with test results sent to middle school parents indicating their student's performance on that assessment