

# CMS

# Math Update

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# Our Goal: Increase growth in math performance for all students

- \* Address concerns about math performance, including MCAS scores
- \* Complete a comprehensive curriculum map
- \* Engage a math consultant and coach
- \* Design and implement Intensive Math program
- \* Complete a program evaluation
- \* Restructure FM curriculum
- \* Design and administer baseline tests
- \* Revise the schedule to provide an opportunity for all students to experience a balanced program

# Address Concerns About Math Performance, Including MCAS Scores

- \* Created a library of questions over 6 years of MCAS history
- \* Past MCAS questions are part of instruction and/or assessment
- \* Analyzed reports of all students by strands and by math level
- \* Baseline assessments
- \* Scheduling MCAS review into curriculum map

# Engage a Math Consultant and Coach

- \* Observation of and feedback to each teacher
- \* With the whole department, share effective teaching practices occurring here and in other districts
- \* Solicit recommendations for other schools to visit

# Complete a Comprehensive Curriculum Map with Atlas

- \* Provides a clear picture of alignment with state standards
- \* Useful for new teachers to a grade level and consistency in student learning
- \* Grade level meeting time can be directed toward backward design and development of assessments
- \* Department/Grade Level time can include looking at student work and instruction

# Design and Implement an Intensive Math Program

- \* Provide modified curriculum for students in .4 classrooms in elementary
- \* Curriculum identifies focused skills within grade level standards
- \* Students take MCAS alt (portfolio) assessment



# Complete a Program and Materials Evaluation

- \* Curriculum mapping as noted previously
- \* Consulted with comparable districts about textbook choices and evaluation/selection process
- \* Creating CMS criteria with input from Regular Ed. and Special Ed. staff
- \* Involve students in evaluation/selection process

# Restructure the Focused Math (FM) Curriculum

- \* Four days each week
- \* Instructed by a math teacher
- \* Focus on integrating MCAS and curriculum remediation

# Design and Administer Baseline Tests

- \* Develop comprehensive assessment based on past MCAS test questions
- \* March 2011
- \* Fall, Winter, Spring 2011-12
- \* Research standardized assessments available for middle school

# Revise the Schedule to Provide a Balanced Program for All Students

- \* Constraints prevent a balanced program
- \* Schedule Task Force researching various models
- \* Primary Goal: Whole Child focus including enrichment for all students
- \* Need for increased staffing to provide targeted enrichment and remediation

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