

Mississippi Department of Education

**Office of Academic Education
Office of Curriculum and Instruction**

**Approval to begin the Administrative Procedures Act process: To
revise the Mississippi Mathematics Framework 2007**

Executive Summary

The 2007 Mississippi Mathematics Framework was developed based on national standards, scientifically-based mathematics research, best practices in teaching mathematics, curricula of other states, and the existing 2000 Mississippi Mathematics Framework. Over 1400 practitioners' survey responses to the current mathematics framework were considered in the revision process. A minor change in format to clarify the strands addressed by objectives/benchmarks was incorporated in grades K-12. This change resulted in having one competency represent each strand. Content strands are **number and operations, algebra, geometry, measurement, and data analysis & probability**. In order to provide opportunity to accrue the increased number of mathematics credits for graduation, Pre-Algebra is required at the 8th grade level. Increased rigor for the framework was addressed through an analysis of the depth of knowledge levels for mathematics competencies and objectives/benchmarks utilizing Dr. Norman Webb's model. The proposed framework reflects recommendations from Dr. Webb, as well as, recommendations obtained through external curriculum reviews conducted during this revision cycle.

This document is intended to provide local school districts with a framework that can be used to develop instructional management and lesson plans for teaching K-12 Mathematics. The framework provides an outline of what students should learn through competencies and objectives/benchmarks. The 2007 Mississippi Mathematics Framework provides teachers with the systematic progression across grade levels and is written to ensure the development of essential mathematical concepts that students will utilize as they pursue a career or continue their education. It also provides a foundation for incorporating literature and technology in the classroom using creative and innovative teaching methodology.