

Executive Summary

The *2007 Mississippi Mathematics Framework* was developed based on the *National Standards for Mathematics Teachers*, *current mathematics literature and research*. In addition, an external evaluator for depth of knowledge and vertical alignment has reviewed the revised framework.

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. It also provides a foundation for incorporating literature and technology in the classroom using creative and innovative teaching methodology.

The framework consists of an introductory section with explanations of the intent of the document, course options, competencies, objectives/benchmarks, suggested teaching strategies, suggested assessment methods, literature connections, technology connections, and a glossary. The competencies are required to be taught. The suggested teaching strategies are aligned with the content strands. The sequence of the competencies relates to the broader K-12 framework and provides a general guideline of on-going instruction. Districts have great flexibility in developing their own objectives/benchmarks and methodology for delivering the competencies.

Content strands are **number and operations, algebra, geometry, measurement, and data analysis & probability**. The process strands are **problem solving, reasoning and proof, communication, connections, and representation**.