

**OFFICE OF CHIEF ACADEMIC OFFICER**  
**Summary of State Board of Education Agenda Items**  
**December 17, 2015**

**OFFICE OF ELEMENTARY EDUCATION AND READING**  
**OFFICE OF SECONDARY EDUCATION**

05. Approval to begin the Administrative Procedures Act process: To establish the 2016 Mississippi College- and Career-Readiness Standards  
[Goals 1 and 2 – MDE Strategic Plan]
- A. 2016 Mississippi College- and Career-Readiness Standards for English Language Arts
- B. 2016 Mississippi College- and Career-Readiness Standards for Mathematics

**Executive Summary**

From June 15, 2015, through September 15, 2015, the Mississippi Department of Education hosted an online forum to gather public comments on Mississippi's K-12 Mathematics and English Language Arts standards. Over the last several months, the standards have been revised, based upon feedback from stakeholders across Mississippi, including an extensive review by a group of teachers, school leaders, postsecondary faculty, parents, and external partners.

In an effort to closely align instruction for students who are progressing toward postsecondary study and the workforce, the State Department of Education has designed two documents for teachers and administrators. The *2016 Mississippi College- and Career-Readiness Standards for English Language Arts* include grade- and course-specific standards for K-12 English Language Arts. The *2016 Mississippi College- and Career-Readiness Standards for Mathematics* include grade- and course-specific standards for K-12 Mathematics.

The primary purpose of these documents is to provide a basis for curriculum development for K-12 teachers, outlining what students should know and be able to do by the end of each grade level and course. In addition to traditional course offerings for elementary and secondary English Language Arts and Mathematics courses, the documents include English Language Arts elective courses, upper-level mathematics courses, and Advanced Placement courses for both content areas.

This item references Goals 1 and 2 of the *Mississippi Board of Education 2016-2020 Strategic Plan*.

Recommendation: Approval

Back-up material attached

# ***Mississippi College and Career Readiness Standards Review***

*Kim S. Benton, Ed.D.  
Chief Academic Officer*





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DEPARTMENT OF  
EDUCATION

Ensuring a bright future for every child

## Vision

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To create a world-class educational system that gives students the knowledge and skills to be successful in college and the workforce, and to flourish as parents and citizens

## Mission

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To provide leadership through the development of policy and accountability systems so that all students are prepared to compete in the global community



## *State Board of Education Goals*

- ✓ All Students Proficient and Showing Growth in All Assessed Areas
- ✓ Every Student Graduates High School and is Ready for College and Career
- ✓ Every Child Has Access to a High-Quality Early Childhood Program
- ✓ Every School Has Effective Teachers and Leaders
- ✓ Every Community Effectively Using a World-Class Data System to Improve Student Outcomes



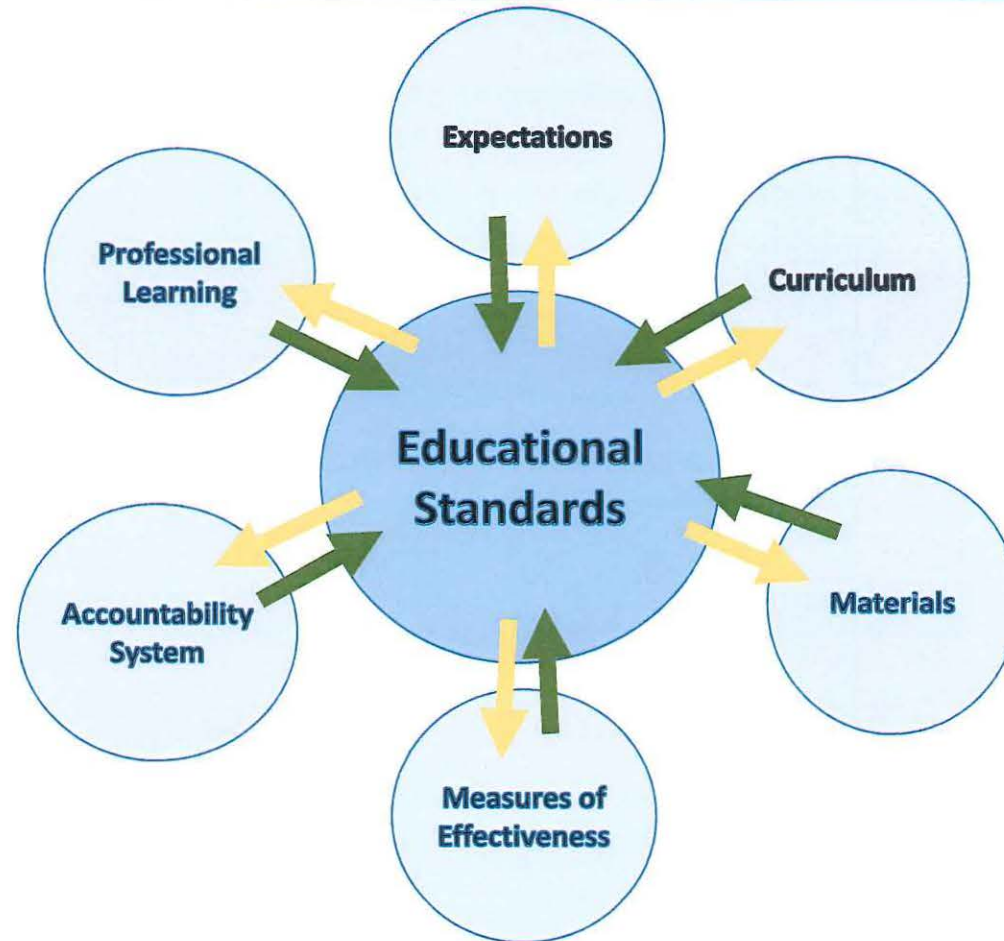
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# Leadership in a Standards-Based System

Strategic Planning

Decision Making





## *What the College- and Career- Readiness Standards **ARE***

- Specific statements that describe what students should know and be able to do at the end of each course or grade level
- Foundational documents that can be used to develop class lessons and instructional units
- Benchmarks for student learning to be assessed within the classroom and as a part of the Mississippi Assessment Program (MAP)
- End-of-year expectations with a cumulative progression that enables students to be college and career ready

## *What the College- and Career- Readiness Standards **ARE NOT***

- A prescribed curriculum of instructional tools or pedagogy (instructional practice)
- Skills to be taught in isolation
- The “ceiling” for students



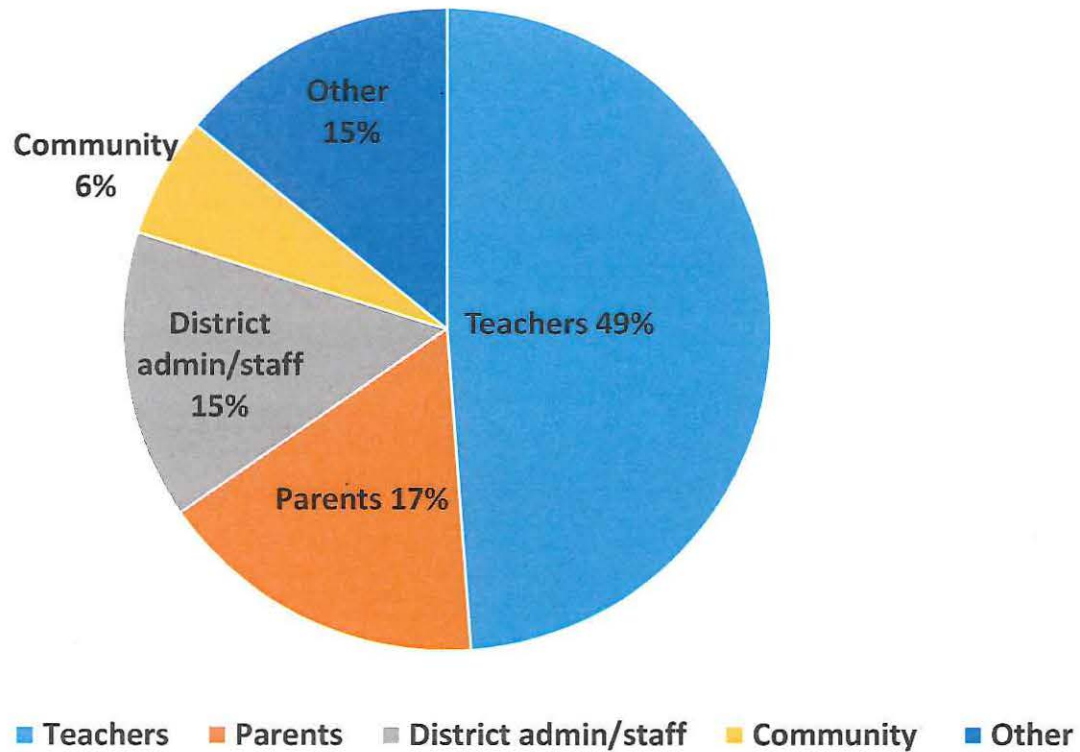


## ***MS College & Career Ready Feedback Forum***

The MCCRS Feedback Forum conducted June 15 – September 15, 2015 had two primary goals:

- To increase awareness and understanding of the Mississippi College- and Career-Readiness Standards for English Language Arts (ELA) and Mathematics
- To receive actionable feedback on the standards as part of the MDE's periodic review process of academic standards

## Overview of Activity





## ***Educator/Community Representation***

- Districts represented: 112
  - Teachers represented: 434
  - Administrators/district staff represented: 129
- Parents represented: 147
- Community members: 54
- Professors: 25
- Retired educators: 30
- Others who didn't self-identify: 54



## Overview of Results

- 1,392 visitors to the site and 8,521 points of feedback
- The majority overwhelmingly supported the Standards:

Category	Count	Percentage
<b>Total Feedback Points</b>	8,521	N/A
<b>Agree</b>	7,679	90.12%
<b>Disagree</b>	842	9.88%
<i>Remove Standard</i>	0	0.00%
<i>Move Standard to Other Grade</i>	549	65.2%
<i>Rewrite Standard</i>	237	28.1%
<i>Break Up Standard</i>	78	9.3%

## *Standards Review Process*

- Stakeholder Participation
  - Individuals with content expertise (ELA and math)
  - **32 ELA committee members** (20 teachers, 3 administrators, 3 postsecondary faculty, 1 parent, 4 content specialists)
  - **30 math committee members** (20 teachers, 2 administrators, 3 postsecondary faculty, 1 parent, 3 content specialists)
- Conducted an intensive review of all feedback responses
  - September 21-22, 2015
  - October 19, 2015
  - November 17, 2015
- Reached consensus on recommendations
- Facilitated by MSU Research and Curriculum Unit, MDE staff, and The Center on Standards & Assessment Implementation

## *Review Process: Evaluation of Public Comments*

- **Alignment** to critical content:
  - Does the suggestion reflect fundamental “processes and proficiencies” in mathematics and core foundational language skills in ELA?
- **Clarity** of language/wording of the standard:
  - Can educators agree on what the expectations are?
  - Is it clear what demonstrated proficiency for the standard looks like?
- **Developmental appropriateness:**
  - Is it aligned with the preceding/following grade levels and with other expectations of that domain/content area?
  - Is this grade appropriate?

## Overview of Proposed Changes for Mathematics

### Grades K-5

- Emphasis on fluency standards
- Rewrite standards for clarity
- Include the concept of money when teaching time
- Introduce attributes of circles
- Clarity around the concept of “skip counting”
- Provide examples, diagrams, and suggestions for models
- Include standards related to calendar language

### Grades 6-8

- Add addition and subtraction of integers
- Split larger, dense standards into smaller, feasible standards
- Remove the concept of “mean absolute deviation”
- Add the concept of “inequalities” to a key Grade 8 standard
- Identify specific measures of center and measures of variability

### Grades 9-12

- Transition a few standards to higher courses
- Remove rational, cube and recursive functions from Algebra I
- Move a Trigonometric concept from Algebra II to the Advanced Math Plus course and Algebra III
- Re-evaluate the design of the Advanced Mathematics Plus course
- Focus on solving problems using graphical and algebraic methods

## *Overview of Proposed Changes for English Language Arts*

### Grades K-5

- Provide a glossary of terms
- Add grade level standards that address cursive writing, printing, and keyboarding
- Remove references to specific lengths of writing production

### Grades 6-8

- Provide a glossary of terms
- Add grade level standards that address cursive writing, printing, and keyboarding
- Remove references to specific lengths of writing production
- Reword some standards to improve vertical alignment
- Add terminology to address limiting language and/or common misconceptions

### Grades 9-12

- Provide a glossary of terms
- Reword some standards to improve vertical alignment
- Add terminology to address limiting language and/or common misconceptions





## *Statewide Review Process: Timeline*

- June 15 - September 15, 2015: Comments collected through online feedback forum
- September 21-22, 2015: Two-day Standards Review Sessions
- October 19, 2015: Follow-up review by educator workgroups
- November 17 and 19, 2015: Review by postsecondary educators, and Principals' Advisory Panel
- November 2015: SREB content specialist review, MDE review, and reconciliation of all recommendations
- ➔ • **December 17, 2015:** Recommendations presented to the State Board of Education
- ➔ • **December 2015-January 2016:** APA comment period on revisions to MS College- and Career-Readiness Standards

## *Next Steps*

- Identify priority professional development needs to address implementation of revised ELA and mathematic standards
- Develop and schedule mathematics trainings focused on geometry concepts for teachers in grades 6-12
- Develop and conduct ELA institutes on informational texts, literary nonfiction, and standards identified as difficult to teach
- Offer training focused on ELA and mathematics scaffolding documents
- Share regional service delivery model updates with administrators
- Develop a pool of statewide trainers using content experts from the standards review committee