



# **Common Core State Standards (CCSS)**

**English/Language Arts  
and Mathematics**

**CCSS Webinar  
November 30, 2010  
3:30 p.m.– 4:30 p.m.**

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# What is the CCSS Initiative?

- An initiative of the National Governors Association (**NGA**) and the Council of Chief State School Officers (**CCSSO**)
- A significant and historic opportunity for states to **collectively develop and adopt** a core set of academic standards in Mathematics and English/Language Arts



# Why is this initiative important?

- Provides **consistency** across states
- Allows for **equal access**
- Prepares students to **compete globally**
- Allows for more **focused professional development**
- Allows for the development of a **common assessment**
- Provides the opportunity to **compare and evaluate policies** that affect student achievement **across states**



# What are the Common Core State Standards (CCSS)?

- Fewer, clearer, and higher
- Aligned with **college and work expectations**
- Rigorous content requiring **higher-order thinking** and **application of knowledge**
- **Internationally benchmarked**
- Evidence-and/or **research-based**



# Shift from “What’s Taught” to “What Students Need to Be Able to Do”

To succeed in 21<sup>st</sup> century college and careers, students need to be able to:

Solve problems

Adapt to change

Communicate

Conceptualize

Create, innovate, and critique

Manage oneself

Reflect on/Improve performance

Work in teams

Engage in learning throughout life



# Design of Internationally Benchmarked Teaching and Learning Systems

- Common core with **defined** curriculum **expectations**
- Curriculum guidance—**lean but clear with rigor**
- **Exemplars** of school-based performance tasks
- Focus on **classroom formative** assessment
- Teacher preparation with **strong clinical components**



## CCSSO/NGA Process

Fall 2009

-Released draft of  
College/Career Readiness  
Standards to states and public

Jan. 2010

-Released several drafts of  
K-12 Standards to states

Feb. 2010

-Released draft K-12  
Standards to the public

**June 2, 2010**

-Released Final K-12 Standards



# Adoption of the Common Core State Standards

- States are being asked to adopt the CCSS
  - “Word for Word” in **its entirety** OR
  - “Word for Word” in its entirety with **up to an additional 15%**.
- The 15% is for states that want to go **beyond** the Common Core.



# Common Core State Standards for Mathematics

**Key design considerations include the following:**

- Individual grade levels in **K-8**
- Solid foundation for **grades K-5** in **whole numbers, addition, subtraction, multiplication, division, fractions, and decimals**
- Solid foundation for **grades 6-8** in **geometry, algebra, and probability and statistics**



# Sample from Common Core State Standards Mathematics

Domain

Number and Operations in Base Ten

3.NBT

**Use place value understanding and properties of operations to perform multi-digit arithmetic.**

1. Use place value understanding to round whole numbers to the nearest 10 or 100.
2. Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.
3. Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g.,  $9 \times 80$ ,  $5 \times 60$ ) using strategies based on place value and properties of operations.

Standard

Cluster



# Mathematics Alignment Examples

## CCSS Math 3<sup>rd</sup> grade

**Fluently multiply and divide** within 100.

**Understand** two fractions as equivalent.

## MS Math 4<sup>th</sup> grade

**Recall** multiplication and division facts.

**Model and identify** equivalent fractions.



# Mathematics Alignment Examples

## CCSS Math 4<sup>th</sup> grade

Apply the **area formula for rectangles** in real world and mathematical problems.

## MS Math 5<sup>th</sup> grade

Use **formula** to estimate and calculate the **area of a rectangle**.



# Alignment of CCSS for Math and MS Math Framework

- Overall alignment is **not** good
- Many specifics in the CCSS are addressed in the MS Math Framework but at a **lower grade level(s)**
- Several of the MS Math Framework objectives are **not mentioned in the Common Core**
- CCSS for Math are **more rigorous** than the MS Math Framework



# **Common Core State Standards for English Language Arts and Literacy in History/Social Studies, & Science and and Technical Subjects**

**Key design considerations include the following:**

Sections divided by **Strands for K-5 and 6-12**

- Reading
- Writing
- Speaking and Listening
- Language



# ELA Alignment Examples

## CCSS ELA 3<sup>rd</sup> grade

**Ask answer questions** to demonstrate **understanding** of a **text**, explicitly using the **text** as the basis for the answers.

## MS ELA 3<sup>rd</sup> grade

Analyze **texts** in order to identify, **understand**, infer, or synthesize information.

- answer and generate questions**
- identify cause and effect as stated in **text**



# ELA Alignment Examples

## CCSS ELA 3<sup>rd</sup> grade

With guidance and support from peers and adults, strengthen **writing** as needed by **revising and editing**.

## MS ELA 3<sup>rd</sup> grade

Use an appropriate **composing** process (e.g., planning, drafting, **revising**, **editing**, and publishing/sharing) to **compose** or **edit**.



# Alignment of CCSS English Language Arts (ELA) and MS ELA

- Overall alignment **is** good
- Few specifics in the Common Core are not addressed in the MS ELA Framework at the same grade level
- Many of the MS ELA Framework objectives and sub-objectives are **not mentioned** in the Common Core
- Rigor is **comparable**



# **Common Core State Standards**

## **High School**



# Common Core High School Mathematics

- **Grade 8 standards** may be used as an **Algebra I** course or to transition students effectively into a full Algebra I course.
- High school standards require students to practice **applying mathematical ways of thinking to real world situations.**



# Common Core High School Mathematics

**High school standards are listed in  
conceptual categories**

Number and quantity

Algebra

Functions

Modeling

Geometry

Statistics and probability



# Common Core State Standards High School ELA

- Individual grade levels for grades 6-8
- Two-year grade band for grades 9-10
- Two-year grade band for grades 11-12



# Common Core State Standards English Language Arts

Additional section for  
**Grades 6-12**

***Literacy Standards in History/Social  
Studies & Science and  
Technical Subjects***



# MDE Timeline for Review and Adoption 2010

- March: Conducted alignment study of **draft** Common Core State Standards and MS frameworks
- June: Received **SBE** approval to begin **APA Process**
- Aug.: Received **SBE approval** (completed APA Process)
- June-Oct.: Conducted alignment study of **final** Common Core State Standards and MS frameworks



# Implementation

- NGA/CCSSO believe that it will take states **about three years** to implement.
- NGA/CCSSO will ask states to **share their adoption and implementation** timelines.



# **Implementation of the Common Core State Standards**



# Implementation Scenario #1

<b>2011-2012</b>	<b>Development and Training</b>
<b>2012-2013</b>	<b>Grades K-5 ELA</b>
<b>2013-2014</b>	<b>Grades K-5 Math</b>
<b>2014-2015</b>	<b>Grades 6-12 ELA &amp; Math</b>



## Implementation Scenario #2

<b>2011-2012</b>	<b>Development and Training</b>
<b>2012-2013</b>	<b>All <u>non-tested</u> grades &amp; courses for ELA &amp; Math</b>
<b>2013-2014</b>	<b>Grades 3-8 ELA &amp; Math</b>
<b>2014-2015</b>	<b>Algebra I English II</b>



## Implementation Scenario #3

<b>2011-2012</b>	<b>Development &amp; Training</b>
<b>2012-2013</b>	<b>Grades K-1 ELA &amp; Math Geometry English I</b>
<b>2013-2014</b>	<b>Grades 2-3 ELA &amp; Math Algebra II English III-IV</b>
<b>2014-2015</b>	<b>Grades 4-8 ELA &amp; Math Algebra I English II</b>



# Partnership for the Assessment of Readiness for College and Careers (PARCC)

- Received Race to the Top funds to help support states' efforts to transition to the CCSS and assessments
- Held a conference call with states in Oct. 2010 to discuss timeline and work plan
- Forming the Assessment Design and Development Committee
- Scheduling a meeting for Dec. 2010 to begin work on test specifications and design



# PARCC Timeline

## Grades 3-8

2010-11	Design Work / Logistics
2011-12	Development Process
2012-13	Field Testing
2013-14	Field Testing
2014-15	Live Administration



## Next Steps for MDE

- Explore working with the **regional laboratories**, technical assistance providers, and other groups
- Format the CCSS to **reflect the structure** of the MS Curriculum Frameworks
- Revise/Develop **instructional materials** such as suggested teaching strategies, resources, and assessment strategies



## Next Steps for MDE (cont.)

- Meet with **stakeholder groups** (K-12 and IHL) to
  - review findings of the alignment study
  - determine courses for grades 9-12
- Conduct **regional awareness sessions**
- Provide **webinars** for various audiences
- Review **policies** for needed change
- Determine **plan for transitioning** to the new standards and the assessments



## Next Steps for NGA and CCSSO

- Developing an **implementation guide**
- Meeting with **textbook publishers**
- Developing **example tasks, suggested texts, and student samples** (timeline not yet determined)
- Planning to do work around birth to 5 year olds to have a **seamless set of standards**
- Working on **Science and Social Studies**



# Common Core Website List of Resources

- *Reaching Higher: the Common Core State Standards Validation Committee*
- *Summary of Public Feedback for K-12 Standards*
- *Summary of Public Feedback for College and Career Readiness Standards*
- *Common Core State Standards Webinar (PowerPoint presentation) June 30, 2010*
- *PowerPoint-March 2010*
- *Common Core State Standards Criteria*



# Common Core Website List of Resources (cont.)

- *Common Core State Standards Considerations*
- *Joint International Benchmarking Report*
- *Key Points of the English Language Arts Standards*
- *Key Points of the Math Standards*
- *Frequently Asked Questions*
- *Myths vs. Facts*



## Common Core Website

<http://www.corestandards.org/>

Send Questions and Comments to:  
[commoncore@mde.k12.ms.us](mailto:commoncore@mde.k12.ms.us)

### *Contact Information*

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