

New Mexico Public Education Department

**Bureaus of
Math & Science
Humanities**

Common Core State Standards Initiative

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PED Presenters:

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 - Math and Science
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 - Humanities

- Mary Jo Daniel (moderator)



Agenda

- Welcome & Purpose of Meeting
- Background: NGA's Press Release
 - <http://www.ped.state.nm.us/CCSSI/>
- Memorandum of Agreement
 - <http://www.ped.state.nm.us/CCSSI/>
- Principals of the Common Core State Standards
- *College and Career Readiness Standards for Mathematics*
- *College and Career Readiness Standards for English Language Arts*
- Discussion



WELCOME

Purpose

- Disseminate information on NGA/CCSSO/NM
Common Core State Standards Initiative
- Gather comments & feedback by 10.16.09
- Submit comments to CCSSO/NGA by 10.21.09
- Initiative commits New Mexico to:
a state-led process that will draw on evidence and lead to development and adoption of a common core of state standards (common core) in English language arts and mathematics for grades K-12



BACKGROUND

Common Core State Standards Initiative

- Process being led by governors and chief state school officers in 51 states and territories

- Coordinated by
 - National Governor's Association (NGA) & Council of Chief State School Officers (CCSSO)



BACKGROUND

- After the feedback period, the standards are subject to review by an expert Validation Committee
- K-12 Standards
Targeted Development Date

Early 2010.



Memorandum of Agreement

<http://www.ped.state.nm.us/CCSSI/>

Signed by Governor Richardson

Outlines:

Purpose

Background

Benefits to States

Process and Structure

Agreement to the process and structure



PRINCIPLES

Common Core State Standards Initiative

Preamble

The Common Core State Standards define the rigorous skills and knowledge in English Language Arts and Mathematics that need to be effectively taught and learned for students to be ready to succeed academically in credit-bearing, college-entry courses and in workforce training programs

These standards must ensure all American students are prepared for the global economic workplace.



PRINCIPLES

- Standards for Mathematics and English Language Arts define the knowledge and skills students should have to succeed in entry-level, credit-bearing, academic college courses and in workforce training programs
- State feedback, supported by research and evidence, due 10/21/09.



PRINCIPLES

Priority Goal

College & Career-Readiness Standards developed and based on input from participating states' education and content experts



PRINCIPLES

Outcome

Standards that are essential, rigorous, clear and specific, coherent, and internationally benchmarked.



PRINCIPLES

Criteria

- Fewer, clearer, and higher, to drive effective policy and practice
- Aligned with college and work expectations so that all students are prepared for success upon graduation
- Inclusive of rigorous content and applications of knowledge through higher-order skills
- Internationally benchmarked
- Research and evidence-based



College and Career Readiness Standards for Mathematics



College and Career Readiness Standards for Mathematics

3 interconnected parts

- Standards for Mathematical Practice
- 10 Standards for Mathematical Content
- Set of Example Tasks



College and Career Readiness Standards for Mathematics

Mathematical Practice Standard: ways
proficient students approach mathematics

- Attend to precision
- Justify reasoning
- Make sense
- Persevere
- Look for structure
- Express regularity
- Use of technological tools



College and Career Readiness Standards for Mathematics

Mathematical Content Standards:

1. Number
2. Quantity
3. Expressions
4. Equations
5. Functions
6. Modeling
7. Shape
8. Coordinates
9. Probability
10. Statistics



Crosswalk

NM 9-12 Math Standards

Process Standards

Problem Solving, Reasoning & Proof,
Representation, Communication, Connections

Algebra, Functions and Graphs

Geometry and Trigonometry

Data Analysis and Probability

Common Core Standards

Mathematical Practice

Number, Quantity, Expressions, Equations, Functions

Modeling, Shape, Coordinates

Probability, Statistics



Details on One Mathematical Content Standard: Quantity

Core Concepts

- The value of a quantity is not specified unless the units are named or understood from the context
- Quantities can be added and subtracted only when they are of the same type (length, area, speed, etc.)
- Quantities can be multiplied or divided to create new types of quantities, called derived quantities.



Details on One Mathematical Content Standard: Quantity Core Skills

- Know when and how to convert units in computations
- Use and interpret quantities and units correctly in algebraic formulas
- Use and interpret quantities and units correctly in graphs and data displays
- Use units as a way to understand problems and to guide the solution of multi-step problems



***College and Career Readiness
Standards for Language Arts***




College and Career Readiness English Language Arts Standards

Three Strands:

- Reading
- Writing
- Speaking

Two Sections:

- Standards for Range and Content
- Standards for Student Performance



The core standards for Reading, Writing, and Speaking and Listening have been designed to include:

- Essential skills and knowledge that students need to apply to college and career tasks, such as research and media.



College and Career Readiness Standards for Language Arts

■ Eighteen English Language Core Standards

- 8. Analyze how specific word choices shape the meaning and tone of the text.

■ Eighteen Writing Core Standards

- 6. Choose words and phrases to express ideas precisely and concisely.

■ Eight Speaking and Listening Core Standards

- 7. Ask relevant questions to clarify points and challenge ideas.



Crosswalk

NM 9-12

Lang Arts Standards

Common Core Standards

Reading, Logic, Informational
Text, Literature

Reading

Language, Writing, Research

Writing

Language, Communication,
Logic, Media

*Speaking &
Listening*



Details on one Language Arts Content Standard: Reading

- Complexity
- Quality
- Vocabulary
- Range
 - Literature
 - Informational Text
 - Multimedia Sources
- Quantity



Discussion

- Questions or Comments?
- Please raise your hand to be acknowledged by the moderator to avoid talking over each other
- You can also type questions into the “chat” area



Follow Up

- This session will be archived for later access; the link will be posted on both the Math and Science and the Humanities Bureaus' websites
- You are encouraged to view the Standards and submit your feedback directly at <http://corestandards.org/>



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