

Overview Standards for 4th Grade

Eight Standards for Mathematical Practices

The Standards for Mathematical Practice describe varieties of expertise that math teachers at all levels should seek to develop in their students.

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express

Mathematics

Operations and Algebraic Thinking

- * Use the four operations with whole numbers to solve problems.
- * Gain familiarity with factors and multiples.
- * Generate and analyze patterns.

Number and Operations in Base Ten

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

Number and Operations—Fractions

- * Extend understanding of fraction equivalence and ordering.
- * Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- * Understand decimal notation for fractions, and compare decimal fractions.

Measurement and Data

- * Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- * Represent and interpret data.
- * Geometric measurement: understand concepts of angle and measure angles.

Geometry

- Ⓢ Draw and identify lines and angles, and classify shapes by properties of their lines and angles.

Reading Standards for Literature

- * Refer to details and examples in a text when explaining what the text says

- * Explain major differences between poems, drama, and prose, and refer to the structural elements of poems and drama

Reading Standards for Informational Text

- * Determine main idea and summarize the text

- * Describe the overall structure of events, ideas, concepts, or information in a text or part of a text.

Reading Standards: Foundational Skills

- * Know and apply grade level phonics
- * Read 4th Grade material fluently

Writing Standards

- * Write Narrative, Opinion, and Informational Pieces

Listening and Speaking Standards

- * Collaborative conversations
- * Plan and deliver a narrative presentation that: relates ideas, provides a clear context; and insight

What are some changes in instruction?

The common core standards require teachers to make 12 changes in their instruction- 6 shifts in English Language Arts (ELA) and 6 shifts in Mathematics.

ELA

- Read more non-fiction
- Learn about the world through reading
- Read more challenging material
- Talk about reading using “evidence”
- Know more vocabulary words
- Learn how to write from what is read

Mathematics

- Build on learning year after year
- Spend more time on fewer concepts
- Use math facts easily
- Develop speed and accuracy in solving problems
- Really know it, really do it
- Use math in real-world situations

What are Common Core State Standards?

The Common Core State Standards create clear expectations for what students in Pre-K through 12th grade should be able to do in reading, writing, speaking and listening, language and mathematics. The standards will help all students across the State learn the same skills to ensure they are prepared for college and careers following graduation. The standards include changes, or “shifts,” in how teachers teach to help children succeed in the topics and skills that matter most.

What are some of the changes in assessment?

Increases in Rigor

Questions will be more advanced and complex

Focus on Text

Students will be required to read, analyze passages, and answer questions with evidence gathered from the text

Depth of Math

Students will demonstrate a conceptual understanding of real-world math

Understanding California Common Core State Standards

Increasing the rigor and relevance of today's curriculum to prepare students for their future in college and careers



Common Core State Standards (CCSS) is a nationwide initiative that allows states to share a common definition of readiness at each grade level. If students are to graduate high school fully prepared, they must meet the benchmarks set by the Common Core - at every grade and in every classroom. Here, you will find some information and ways that your child's classroom is changing.