

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

Overview Standards for 5th Grade

Mathematics

Operations and Algebraic Thinking

- * Write and interpret numerical expressions.
- * Analyze patterns and relationships.

Number and Operations in Base Ten

- * Understand the place value system.
- * Perform operations with multi-digit whole numbers and with decimals to hundredths.

Number and Operations—Fractions

- * Use equivalent fractions as a strategy to add and subtract fractions.
- * Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Measurement and Data

- * Convert like measurement units within a given measurement system.
- * Represent and interpret data.
- * Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

Geometry

- * Graph points on the coordinate plane to solve real-world and mathematical problems.
- * Classify two-dimensional figures into categories based on their properties.

Reading Standards for Literature

- * Quote accurately from a text when explaining and when drawing inferences from the text.
- * Explain how a series of chapters, scenes, or stanzas fits together to provide the overall structure

Reading Standards for Informational Text

- * Explain the relationships or interactions between two or more ideas
- * Determine two or more main ideas of a text and explain supporting details; summarize the text.

Reading Standards: Foundational Skills

- * Know and apply grade level phonics
- * Read 5th Grade material fluently

Writing Standards

- * Write Narrative, Opinion, and Informational Pieces

Listening and Speaking Standards

- * Collaborative conversations
- * Plan and deliver an opinion speech

Language

Demonstrate command of the conventions of standard English and grammar usage.

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.