

## **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 Kindergarten**

### **Mathematics**

#### **Counting and Cardinality**

Know number names and the count sequence.

Count to tell the number of objects.

Compare numbers.

#### **Operations and Algebraic Thinking**

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

#### **Number and Operations in Base Ten**

Work with numbers 11–19 to gain foundations for place value.

#### **Measurement and Data**

Describe and compare measurable attributes.

Classify objects and count the number of objects in categories.

#### **Geometry**

Identify and describe shapes.

Analyze, compare, create, and compose shapes.

### **Reading Standards for Literature**

\* Ask and answer questions about text

\* Retell

### **Reading Standards for Informational Text**

\* Find the main idea

### **Reading Standards: Foundational Skills**

\* Identify rhyming words

\* Blend words

### **Writing Standards**

\* Write Narrative, Opinion, and Informational Pieces

### **Listening and Speaking Standards**

\* Collaborative conversations

## 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.