

MATHEMATICS

By the end of grade one, students develop strategies for adding and subtracting whole numbers based on their prior work with small numbers. They will use a variety of models, to develop meaning for the operations of addition and subtraction, and to develop strategies to solve arithmetic problems with these operations. They will develop, discuss, and use efficient, accurate, and generalizable methods to add within 100 and subtract multiples of 10. They will develop an understanding of the meaning and processes of measurement and compose and decompose plane or solid figures.

Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Understand and apply properties of operations and the relationship between addition and subtraction.
- Add and subtract within 20.
- Work with addition and subtraction equations.

Number and Operations in Base Ten

- Extend the counting sequence.
- Understand the place value.
- Use place value understanding and properties of operations to add and subtract.

Measurement and Data

- Measure lengths indirectly and by iterating length units.
- Tell and write time.
- Represent and interpret data.

Geometry

- Reason with shapes and their attributes.

Mathematical Practices

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 regularity in repeated reasoning.

SCIENCE

Students know that:

Physical Sciences

- Materials come in different forms (states): solids, liquids, and gases.

Life Sciences

- Plants and animals meet their needs in different ways.

Earth Sciences

- Weather can be observed, measured, and described.

Investigation and Experimentation

- Scientific progress is made by asking meaningful questions and conducting careful investigations. To understand this concept and to address the content of the other three strands, students should develop their own questions and perform investigations.

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GRADE ONE

*The
California
Standards
for
Grade One*

**CALIFORNIA
DEPARTMENT
OF
EDUCATION**

F O R N I

Dear Parent/Guardian,

This standards overview provides you with information of what children learn in first grade for each subject. Your understanding of the Common Core and content standards allows you to help your child with school work, homework, and to frame your questions for parent-teacher conferences. Also, this information can guide your selection of reading and writing materials for the home, and shape your visits to libraries, museums, or other places of interests.

GRADE ONE

ENGLISH-LANGUAGE ARTS

Reading Standards for Literature and Informational Text

Students will:

- ask and answer questions about key details in a text.
- retell stories, including key details, and demonstrate understanding of their central message or lesson.
- describe characters, settings, and major events in a story, using key details.
- identify the main topic and retell key details of a text.
- ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
- know and use various text structures and text features to locate key facts or information in a text.

Foundational Skills

Students will:

- recognize the distinguishing features of a sentence.
- distinguish long from short vowel sounds in spoken single-syllable words.
- orally produce single-syllable words by blending sounds, including consonant blends.
- isolate and pronounce initial, medial vowel, and final sounds in spoken single-syllable words.
- know the spelling-sound correspondences for common consonant digraphs.
- know final –e and common vowel team conventions for representing long vowel sounds.
- read words with inflectional endings.
- recognize and read grade-appropriate irregularly spelled words.
- read on-level text with purpose and understanding.
- use context to confirm or self-correct word recognition and understanding, rereading as necessary.

Writing

- Students will write narratives, informative/explanatory and opinion pieces by including some details, facts, temporal words, and provide sense of closure.



Listening and Speaking

Students will:

- follow agreed-upon rules for discussions.
- Build on others' talk in conversations by responding to the comments of others through multiple exchanges.
- give, restate, and follow simple two-step directions.
- produce complete sentences when appropriate to task and situation.
- memorize and recite poems, rhymes, and songs with expression.

Language

Students will:

- print all upper-and lowercase letters.
- use common, proper, and possessive nouns.
- use singular and plural nouns with matching verbs in basic sentences.
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- use verbs to convey a sense of past, present, and future.
- use frequently occurring adjectives.
- use frequently occurring conjunctions.
- produce and expand complete simple and compound declarative, interrogative, imperative, and exclamatory sentences.
- capitalize dates and names of people.
- use end punctuation for sentences.
- spell untaught words phonetically, drawing on phonemic awareness and spelling conventions.

HISTORY-SOCIAL SCIENCE

A Child's Place in Time and Space

Students in grade one continue a more detailed treatment of the broad concepts of rights and responsibilities in the contemporary world.

The classroom serves as a microcosm of society in which decisions are made with respect for individual responsibility, for other people, and for the rules by which we all must live: fair play, good sportsmanship, and respect for the rights and opinions of others. Students examine the geographic and economic aspects of life in their own neighborhoods and compare them to those of life in their own neighborhoods and compare them to those of people long ago. Students explore the backgrounds of American citizens and learn about the symbols, icons, and songs that reflect our heritage.

Students will:

- describe the rights and individual responsibilities of citizenship.
- use maps and globes to show the absolute and relative locations of people and places and describe the physical and/or human characteristics of places.
- know and understand the symbols, icons, and traditions of the United States that provide continuity and a sense of community across time.
- compare and contrast everyday life in different times and places around the world and recognize that some aspects of people, places, and things change over time while others stay the same.
- describe the human characteristics of familiar places and the varied backgrounds of American citizens and residents in those places.
- understand basic economic concepts and the role of individual choice in a free-market economy.

