

## **MATHEMATICS**

### **NUMBER SENSE**

- compute with very large and very small numbers, positive integers, decimals, and fractions
- understand the relationship between decimals, fractions, and percents
- understand the relative magnitudes of numbers
- perform calculations and solve problems involving addition, subtraction, and simple multiplication and division of fractions and decimals

### **ALGEBRA AND FUNCTIONS**

- use variables in simple expressions, compute the value of expression for specific values of the variable, and plot and interpret the results

### **MEASUREMENT AND GEOMETRY**

- understand and compute the volumes and areas of simple objects
- identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures

## **STATISTICS, DATA ANALYSIS, AND PROBABILITY**

- display, analyze, compare, and interpret different data sets, including data sets of different sizes

### **MATHEMATICAL REASONING**

- make decisions about how to approach problems
- use strategies, skills, and concepts in finding solutions
- develop generalizations of the results of a problem and apply them in other circumstances



## **SCIENCE**

### **PHYSICAL SCIENCE**

- know the elements and their combinations account for all the varied types of matter in the world

### **LIFE SCIENCE**

- describe how plants and animals have structures for respiration, digestion, waste disposal, and transport of materials

### **EARTH SCIENCES**

- explain how water on Earth moves between the oceans and land through the processes of evaporation and condensation
- describe how energy from the sun heats Earth unevenly, causing air movements that result in changing weather patterns
- know the solar system consists of planets and other bodies that orbit the sun in predictable paths

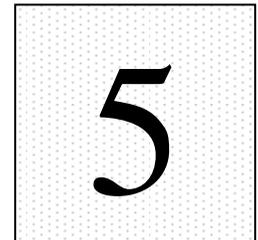
### **INVESTIGATION AND EXPERIMENTATION**

- know scientific progress is made by asking meaningful questions and conducting careful investigations



# **The California Content Standards**

Pleasant Grove J.U.S.D.  
3075 Howsley Rd.  
Pleasant Grove, CA 95668



### **Board of Trustees**

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Dear Parents,  
These standards are the skills and knowledge that your child is expected to master by the end of the year. By becoming familiar with the standards,

By the end of 5th grade, students will:

### **READING WORD ANALYSIS, FLUENCY, AND VOCABULARY DEVELOPMENT**

- read aloud narrative and expository text fluently and accurately
- understand words in context
- analyze the meaning of complex words through knowledge of affixes and roots
- explain synonyms, antonyms, and homographs
- understand figurative language
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### **COMPREHENSION INFORMATIONAL MATERIALS**

- understand how text features make information usable
- analyze text that is organized in sequential or chronological order
- identify main ideas and supporting evidence and prior knowledge

- infer, conclude, and generalize about text through evidence and prior knowledge
- distinguish facts, supported inferences and opinions in text

### **LITERARY ANALYSIS**

- identify and analyze the characteristics of poetry, drama, fiction, and nonfiction
- identify conflict and resolution
- analyze the actions, motives, and the appearance of fictional characters
- recognize and understand theme
- describe the functions of literary devices
- evaluate the author's use of symbols to influence readers' perspectives
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### **LANGUAGE ARTS**

#### **WRITING STRATEGIES**

- create multiple-paragraph compositions with awareness of the audience and purpose which include formal introductions, supporting evidence, and conclusions
- use stages of the writing process
- use features of printed text to locate relevant information
- use thesaurus to identify word alternatives
- edit and revise writing to improve the meaning and focus

#### **WRITTEN LANGUAGE**

use varied sentence structure, proper punctuation, capitalization, spelling, and correct grammar

### **SOCIAL STUDIES UNITED STATES HISTORY AND GEOGRAPHY: MAKING A NEW NATION**

- describe the major pre-Columbian settlements
- trace the routes of early explorers and describe the early explorations of the Americas
- describe the cooperation and conflict that existed among the American Indians and between the Indian nations and the new settlers
- understand the political, religious, social, and economic institutions that evolved in the colonial area
- explain the causes of the American Revolution
- understand the course and consequences of the American revolution
- describe the people and events associated with the development of the U.S. Constitution and analyze the Constitution's significance as the foundation of the American republic
- trace the colonization, immigration, and settlement patterns of the American people from 1789 to the mid-1800's
- know the location of the current 50 states and the names of their capitals

### **PHYSICAL EDUCATION MOVEMENT, SKILLS, AND MOVEMENT KNOWLEDGE**

- manipulate objects with accuracy and speed
- combine movement skills in applied settings
- develop specialized movement skills (i.e., dance)
- pass a ball or other object to a moving player in dynamic situations
- use information from internal (self evaluation) and external sources to improve performance
- identify and apply the principles of practice and conditioning that enhance performance
- use fundamental strategies in modified games
- use scientific principles to increase the distance of throws
- assess their personal health related fitness and set goals to meet health related fitness
- meet current health related fitness standards as defined by fitness tests for upper body strength and development
- identify how to balance food intake with physical activity
- recognize that different body types may be more effective in certain movement skills and activities