

MATHEMATICS

NUMBER SENSE

- compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages
- calculate and solve problems involving addition, subtraction, multiplication, and division

ALGEBRA AND FUNCTIONS

- write verbal expressions and sentences as algebraic expressions and equations
- evaluate algebraic expressions, solve simple linear equations, graph and interpret their results
- analyze and use tables, graphs, and rules to solve problems involving rates and proportions
- investigate geometric patterns and describe them algebraically

MEASUREMENT AND GEOMETRY

- use their understanding of the measurement of plane and solid shapes to solve problems
- identify and describe the properties of two-dimensional figures

STATISTICS, DATA ANALYSIS, AND PROBABILITY

- compute and analyze statistical measurements for data sets
- use data samples of a population and describe the characteristics and limitations of the samples

- determine theoretical and experimental probabilities and use these to make predictions about events

MATHEMATICAL REASONING

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



SCIENCE

EARTH SCIENCES

PLATE TECTONICS AND EARTH'S STRUCTURE

- explain how plate tectonics accounts for important features of Earth's surface and major geologic events

SHAPING EARTH'S SURFACE

- describe how topography is reshaped by the weathering of rock and soil and by the deposition of sediment

HEAT (THERMAL ENERGY)

(PHYSICAL SCIENCE)

- know that heat moves in a predictable flow from warmer objects until all the objects are at the same temperature

ENERGY IN THE EARTH SYSTEM

- understand that many phenomena on Earth's surface are affected by the transfer of energy through radiation and convection currents

ECOLOGY (LIFE SCIENCE)

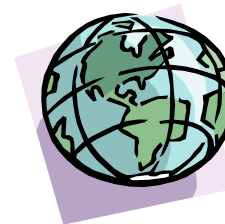
- describe how organisms in ecosystems exchange energy and nutrients among themselves and with the environment

RESOURCES

- Describe how sources of energy and materials differ in amounts, distribution, usefulness, and the time required for their formation

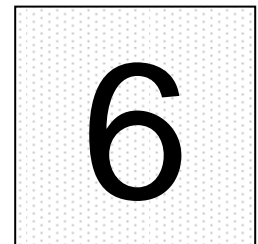
INVESTIGATION AND EXPERIMENTATION

- 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

John Hewitt
Leo Hoyt
Joseph Gutierrez
Stacy Reese
Shawn Withrow

Annette Alberti
Superintendent/Principal

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, you will be better able to assist your child with schoolwork at home and ask the teacher about your child's mastery level. Standards in other subjects are available in office upon request.

By the end of 6th grade, students will:

READING

WORD ANALYSIS, FLUENCY, AND VOCABULARY DEVELOPMENT

- read aloud narrative and expository text fluently and accurately
- use knowledge of word origins and word relationships, and historical and literary context clues, to determine the meaning of specialized vocabulary and to understand the meaning of grade-level words

COMPREHENSION (FOCUS ON INFORMATIONAL MATERIALS)

- identify features of popular media to obtain information
- analyze text that uses compare and contrast
- clarify main ideas through their relationships to other sources
- create outlines, notes, and summaries
- evaluate the author's conclusions

LITERARY ANALYSIS

- identify the forms of fiction and describe the major characteristics
- analyze characterization and the influence of setting
- determine meaning in poetry
- analyze features of theme and literary devices
- evaluate the credibility of characters and the degree to which the plot is realistic

LANGUAGE ARTS

WRITING STRATEGIES

- create multiple-paragraph compositions with awareness of the audience and purpose, formal introductions, supporting evidence, and conclusions
- use strategies of the writing process
- use electronic text to locate information and compose documents with proper formatting
- revise writing to improve the organization and consistency of ideas

WRITING APPLICATION

- relate accounts of events through narratives that include a developed plot, setting, point of view, sensory details, and narrative devices
- explain details, facts, and information through descriptive and problem/solution essays, research reports, responses to literature, and persuasive compositions

WRITTEN LANGUAGE

- use correct and varied sentence structure, proper punctuation, capitalization and spelling; and edit written work for correct grammar



SOCIAL STUDIES

WORLD HISTORY AND GEOGRAPHY: ANCIENT CIVILIZATIONS

- describe what is known through archeological studies of the early physical and cultural development of humankind from the Paleolithic era to the agricultural revolution
- analyze the geographic, political, economic, religious, and social structures of the early civilizations of Mesopotamia, Egypt, and Kush
- analyze the geographic, political, economic, religious, and social structures of the early civilizations of India
- analyze the geographic, political, economic, religious, and social structures of the early civilizations of China
- analyze the geographic, political, economic, religious, and social structures of the early civilizations of Rome
- analyze the geographic, political, economic, religious, and social structures of the Ancient Hebrews

PHYSICAL EDUCATION MOVEMENT, SKILLS, AND MOVEMENT KNOWLEDGE

- throw a variety of objects, demonstrating accuracy and force
- hand dribble and foot dribble a ball while preventing an opponent from stealing the ball
- performs tumbling and dance sequences that combine traveling, rolling, balancing, and transferring weight into sequences
- keep an object in motion with a partner, using a striking pattern
- recognize and correct errors in personal movement patterns
- identify the basic locomotor, non-locomotor, and manipulative skills that improve performance
- keep a record of heart rate before, during, and after vigorous physical activity
- engage in physical activity at the target heart rate for a minimum of 20 minutes
- identify proper warm-up and cool-down techniques and the reasons for using them
- demonstrate activities to improve muscular strength, endurance, flexibility, cardio-respiratory functioning, and proper body composition
- design and play small-group games that involve cooperation with others