

Science (Continued)

Life Science

- Know that all organisms need energy and matter to live and grow.
- Know that organisms depend on one another and their environment for survival.

Earth Science

- Know the properties of rocks and minerals reflect how they were formed.
- Understand the Rock Cycle.
- Know how to identify various rocks and minerals.
- Understand how waves wind, water, and ice shape and reshape Earth's surface.
- Animals.
- Know how both slow changes (i.e. erosion) and rapid changes (i.e. volcanoes) shape the earth's surface.

Investigation and Experimentation

- Know and apply the Scientific Process.
- Understand how scientific progress is made by asking meaningful questions and conducting careful investigations.

Social Studies

- Know the physical and human geographic features in California that define our state.
- Describe how California's history has been shaped by many diverse people, events, and ideas.
- Know and understand key historical events (i.e. Missions, Gold Rush etc.)
- Describe the development of California's government and economy.

Fine Arts

- Analyze and reflect on significant works of

art and explore a variety of art materials, techniques, and processes.

- Identify, demonstrate, and create the movement elements in dance.
- Examine, demonstrate, and create simple rhythmic and melodic patterns, tempos, dynamics, and pitches in music.
- Develop and incorporate expressive use of voice, emotional recall, body awareness, and spatial perception in performances.

Physical and Health Education

- Understand healthy eating habits and exercise will increase physical and mental wellness.
- Demonstrate knowledge of skills needed to perform P.E. activities.

Library Media

- Increase understanding and use of the Dewey Decimal system.
- Increase use of online resources.
- Understand and use reference resources: almanac, thesaurus, atlas, etc.

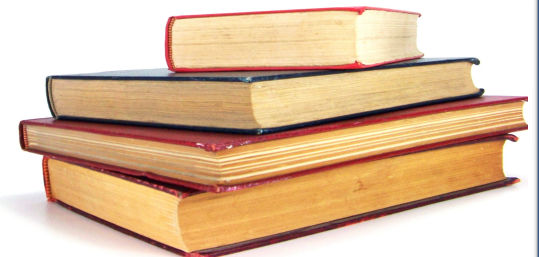
Technology

- Demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
- Use appropriate digital tools and critical thinking to plan and conduct research, manage projects, solve problems, and make informed decisions.
- Develop keyboarding skills.
- Advocate and practice legal, ethical, and responsible use of technology.
- Demonstrate understanding of technology concepts, systems, and operations.

South Pasadena 4th Grade Core Standards



A Parent's Guide to Student Learning



South Pasadena Unified

1020 El Centro St.,
South Pasadena, CA 91030

Language Arts

Speaking and Listening

- Be prepared, stay on topic, contribute ideas, and paraphrase.
- Identify a speaker's reasons/evidence.
- Organize reports/presentations using relevant details to support main ideas.
- Speak in an audible, clear voice.

Word Study – Vocabulary/Spelling

- Use syllable patterns, base and root words, Greek and Latin prefixes and suffixes to decode unfamiliar words.

Fluency with Expression

- Read accurately with purpose, at an appropriate rate, using expression.

Comprehension

- Draw inferences using details and examples.
- Determine theme, main idea and supportive key details in texts.
- Describe procedures/concepts in technical, historical, and scientific texts.
- Use general academic and content specific vocabulary correctly.
- Compare and contrast structures of poems, drama, and prose.
- Describe informational text structures.
- Use text features to gain information.
- Explain point of view, first/third person, and first/secondhand accounts.
- Describe how authors use elements and structures.

Informative/Explanatory Writing

- Convey information about topics/texts clearly, create paragraphs, categories, and sections, use text features, facts, concrete details, quotations, linking words, and specific vocabulary on topics, and provide a conclusion.

Opinion Writing

- State an opinion about topics/texts, create an organizational structure, use facts/details from texts, group related ideas together to support opinion, use linking words to connect opinion and reasons, and provide a conclusion.

Narrative Writing

- Develop real or imagined experiences using effective technique, descriptions, sensory details, and clear event sequences, establish situation, characters/narrators, provide dialogue, descriptions of actions, thoughts, feelings, transitional words for sequencing, and provide a conclusion.

Language Components

- Speak and write using relative adverbs, progressive verb tenses, modal auxiliaries (helping verbs) and correct order of adjectives.
- Use capitalization, quotation marks, and commas in coordinating conjunctions and compound sentences correctly.
- Explain similes, metaphors, idioms, adages, proverbs, antonyms, and synonyms.
- Use formal/informal English appropriately.

Mathematics

Operations and Algebraic Thinking

- Use the four operations with whole numbers to solve problems.
- Gain familiarity with factors and multiples.
- Generate and analyze patterns.

Number and Operations in Base Ten

- Generalize place value understanding for multi-digit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.

Number and Operations—Fractions

- Extend understanding of fraction equivalence and ordering.
- Apply and extend previous understandings of operations on whole numbers to solving problems involving fractions.
- Understand decimal notation for fractions, and compare decimal fractions.

Measurement and Data

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
- Represent and interpret data.
- Understand concepts of angle and measure angles.

Geometry

- Draw and identify lines and angles.
- Classify shapes by properties of their lines and angles.

Standards for Mathematical Practice

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

Physical Science

- Know how electricity and magnetism are related.
- Build and design series circuits, parallel circuits, compasses and electro-magnets.