

☞ Language Arts ☜
1.0 Word Analysis, Fluency & Vocabulary
1.1 Read aloud with fluency, accuracy, pacing, intonation and expression
1.2 Use word origins to figure out the meaning of words
1.3 Understand synonyms, antonyms and homographs (e.g., <i>present and present</i>)
1.4 Know Greek and Latin roots, prefixes and suffixes (affixes)
1.5 Understand figurative and metaphorical language
2.0 Reading Comprehension
2.1 Understand how format, diagrams, illustrations, etc., provide information
2.2 Analyze text organized in sequential or chronological order
2.3 Identify main ideas and supporting evidence
2.4 Draw inferences, conclusions, or generalizations
2.5 Distinguish facts, inferences, and opinions
3.0 Literary Response and Analysis
3.1 Identify the characteristics of poetry, drama, fiction, and nonfiction
3.2 Identify and explain the main problem or conflict of a plot
3.2 Contrast the actions, motives, and appearance of characters and discuss importance to plot
3.4 Understand that theme refers to the meaning or moral of a reading
3.5 Describe the effect of common literary devices (e.g., (<i>imagery, metaphor, symbolism</i>))
3.6 Understand the meaning of patterns and symbols found in myth
3.7 Understand how an author uses techniques to influence the perspective of the reader

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1.0 Writing Strategies
1.1 Create multiple-paragraph stories (narratives) that: <ul style="list-style-type: none"> a. Establish and develop a plot b. Describe the setting c. Present an ending
1.2 Create multiple-paragraph expository essays (non-fiction) that: <ul style="list-style-type: none"> a. Establish a topic, ideas, or events in order b. Provide details and transitions to link paragraphs c. Offer a concluding paragraph that summarizes important ideas
1.3 Use organizational features (e.g., <i>end notes, citations</i>) to locate information
1.4 Create simple documents using the features of word processing (e.g., <i>menus, spell check</i>)
1.5 Use a thesaurus to choose words
1.6 Edit and revise drafts to improve the meaning and focus
2.0 Writing Applications
2.1 Write stories (narratives) that: <ul style="list-style-type: none"> a. Establish a plot, view, setting, & conflict b. Show, rather than tell, the story
2.2 Write responses to literature that: <ul style="list-style-type: none"> a. Demonstrate an understanding of the work b. Support judgments through references to the text c. Develop interpretations of the reading
2.3 Write research reports that: <ul style="list-style-type: none"> a. Frame questions to be researched b. Have a controlling idea or topic c. Develop the topic with facts & details
2.4 Write persuasive letters or essays that: <ul style="list-style-type: none"> a. State a clear position b. Support a position with evidence c. Are organized d. Address reader's concerns

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1.0 Written and Oral Language Conventions
1.1 Identify and use prepositional phrases, appositives, independent and dependent clauses; use transitions and conjunctions
1.2 Identify and use verbs often misused (e.g., <i>lie/lay, sit/set</i>), modifiers, and pronouns
1.3 Use a colon to separate hours and minutes and to introduce a list; use quotation marks around the exact words of a speaker and titles of poems, songs, short stories, etc/
1.4 Use correct capitalization
1.5 Spell roots, suffixes, prefixes, contractions and syllable correctly
1.0 Listening & Speaking Strategies
1.1 Ask questions that seek new information
1.2 Understand a speaker's message, purpose, and perspective
1.3 Make inferences or draw conclusions based on an oral report
1.4 Select a focus, organizational structure, and point of view for an oral presentation
1.5 Explain and support spoken ideas with evidence
1.6 Use appropriate verbal cues, facial expressions and hand gestures when speaking to an audience
1.7 Analyze persuasive techniques (e.g., <i>promises, dares, flattery, glittering generalities; identify logical fallacies</i>) used in oral presentations and media messages
1.8 Analyze and understand how the media uses information to entertain, persuade, interpret events or portray culture

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2.0 Speaking Applications
2.1 Deliver narrative oral presentations that: <ul style="list-style-type: none"> a. Establish a situation, plot, point of view, and setting with descriptive words and phrases b. Show, rather than tell, the listener what happens
2.2 Deliver informative presentations about an important idea, issue, or event that: <ul style="list-style-type: none"> a. Frame questions to direct the research b. Have a controlling idea or topic c. Develop the topic with facts, details, examples, and explanations
2.3 Deliver oral responses to literature that: <ul style="list-style-type: none"> a. Summarize important events and details b. Show an understanding of ideas or images communicated by a piece of literature c. Use examples or evidence from the work to support conclusions



Napa Valley Unified School District

Language Arts and Mathematics Standards



GRADE FIVE

Mathematics

Number Sense

Place Value and Percent

- 1.1 Estimate, round and use very large (e.g., millions) and very small (e.g., thousandths) numbers
- 1.2 Know percents are part of a hundred; find decimal and percent equivalents for common fractions (e.g., $\frac{1}{2} = .50 = 50\%$)
- 1.3 Compute positive powers of nonnegative numbers (e.g., *Which is larger: 5^3 or 3^5 ?*)
- 1.4 Determine the prime factors of numbers to 50; write numbers as the product of their prime factors using exponents (e.g., $24=2 \times 2 \times 2 \times 3$ or $2^3 \times 3$)
- 1.5 Use a number line to show decimals, fractions, mixed numbers (e.g., $3 \frac{1}{2}$), and positive and negative numbers

Addition, Subtraction, Multiplication, and Division of Fractions and Decimals

- 2.1 Add, subtract, multiply, and divide with decimals; add negative numbers [e.g., $(-15) - 128$]; subtract positive numbers from negative numbers [e.g., $11 + (-23)$]
- 2.2 Divide with decimals (e.g., *Find the quotient: 6 divided by 0.025*); divide using long division with multi-digit divisors (e.g., $15.4 / 2.4 = ?$)
- 2.3 Add and subtract fractions and mixed numbers in word problems; write answers in the simplest form (e.g., $3/12 = \frac{1}{4}$)
- 2.4 Multiply and divide fractions
- 2.5 Multiply and divide fractions in word problems

Mathematics

Algebra and Functions

Algebra

- 1.1 Use information from a graph or equation (number sentence) to solve problems
- 1.2 Use a letter to represent an unknown number; write and solve simple algebra problems by using substitution (e.g., *If $N = 4$, what is the value of $6 \times N - 3$?*)
- 1.3 Use the distributive property to solve problems with variables [e.g., *What value for Z makes this true: $8 \times 37 = (8 \times 30) + (8 \times Z)$?*]
- 1.4 Identify and graph ordered pairs in the four sections of a coordinate grid [e.g., *Put these points on a coordinate grid: $(1, 2)$, $(-4, -3)$, $(12, -1)$, $(-4, 0)$*]

Functions

- 1.5 Solve problems involving functions with number values; write the equation; and graph results on a grid

Measurement and Geometry

Measurement

- 1.1 Find the area of a triangle ($A = \frac{1}{2} b \times h$) and a parallelogram ($A = b \times h$) by comparing to the formula for the area of a rectangle ($A = b \times h$)
- 1.2 Build a cube and rectangular box from two-dimensional paper patterns; use these patterns to figure the surface area
- 1.3 Understand and find the volume of rectangular solids (e.g., *A rectangular prism has a height of 14 inches, a length of 3 inches and a width of 4 inches. What is the volume?*)
- 1.4 Differentiate between, and use appropriate units of measures for objects (e.g., *Find the area, perimeter and volume in inches, feet, meters, centimeters, etc.*)

Mathematics

Measurement and Geometry (continued)

Geometry

- 2.1 Measure, name, and draw angles, perpendicular and parallel lines, rectangles, and triangles using tools (e.g., *ruler, compass, protractor, etc.*)
- 2.2 Know that the sum of the angles of any triangle is 180° and the sum of the angles of any quadrilateral is 360° ; use this information to solve problems
- 2.3 Draw two-dimensional views of three-dimensional objects

Statistics, Data Analysis and Probability

Statistics and Data Analysis

- 1.1 Know the concepts of mean (average), median (mid number in a series), and mode (most frequent number)
- 1.2 Organize and display data in graphs and other representations
- 1.3 Use fractions and percentages to compare data
- 1.4 Identify ordered pairs of data from a graph and interpret the data in terms of the information presented in the graph
- 1.5 Know how to write ordered pairs correctly (e.g., x, y)

Mathematical Reasoning

- 1.0 Make decisions about how to solve problems
- 2.0 Use strategies, skills, and concepts to find answers
- 3.0 Generalize results to other problems

(Mathematical Reasoning is embedded in all Strands)