

Sunnyvale School District's Parent Guide to the 4th Grade Report Card

Introduction

The Sunnyvale School District has created standards-based report cards to reflect Common Core Standards (www.corestandards.org). This Parents' Guide to the Report Card is intended to help all parents understand the rubrics & standards used for Language Arts, Social Studies, Mathematics, & Science.

Language Arts

Reading: Foundational Skills

- Apply grade-level phonics & word analysis skills in decoding
- Read on-level text with accuracy & fluency (accuracy, rate, & expression)

Reading: Literature

- Refer to details & examples in a text when explaining the text
- Determine a theme of a story, drama, or poem; summarize the text
- Describe in depth a character, setting, or event in a story or drama
- Determine the meaning of words & phrases used in a text
- Explain differences between poems, drama, & prose
- Compare the point of view of narrations like first- and third-person
- Connect the text to the visual or oral presentation
- Compare similar themes & topics in literature from different cultures
- Read & comprehend literature

Reading: Informational Text

- Refer to details & examples in a text when explaining what the text says
- Determine the main idea of a text & how it is supported; summarize the text
- Explain concepts in informational texts
- Determine meanings of academic & domain-specific words
- Describe the structure of information in a text
- Compare a firsthand & secondhand account of the same event or topic
- Interpret information presented visually through tables, charts, graphs, etc.
- Explain how an author uses reasons & evidence
- Integrate two texts on same topic to write or speak about the subject
- Read & comprehend informational texts

Writing

- Write opinion pieces
 - Introduce a topic clearly, state an opinion, & support the opinion
 - Provide reasons that are supported by facts or examples
 - Link opinion & reasons using transitions
 - Provide a concluding statement
- Write informative texts
 - Introduce a topic & organize related information in paragraphs & sections
 - Develop the topic with facts, definitions, details, quotations, or examples
 - Link ideas using transitions
 - Use precise language & domain-specific vocabulary
 - Provide a concluding statement
- Write narratives
 - Establish a situation & introduce a narrator and/or characters naturally
 - Use dialogue & description to develop experiences & events
 - Use a variety of transitional words & phrases
 - Use descriptive language like sensory details
 - Provide a conclusion
- Develop & strengthen writing by planning, revising, & editing

- Use technology to produce & publish writing & collaborate with others
- Conduct research projects that build knowledge through investigation
- Gather information; take notes & categorize information & list sources
- Use mentor texts to support analysis, reflection, & research

Speaking and Listening

- Engage effectively in a range of collaborative discussions
- Paraphrase portions of a text read aloud or information from diverse media like videos, audio recordings, etc.
- Identify the evidence a speaker provides
- Tell a story, or an experience while speaking clearly at a good pace
- Add audio recordings and visual displays to presentations
- Know which situations to use formal or informal English

Language

- Use proper English grammar when writing or speaking
 - Use relative pronouns and relative adverbs
 - Use the progressive verb tenses
 - Use modal auxiliaries (could, should, might, etc.)
 - Order adjectives in sentences conventionally
 - Use prepositional phrases

- Produce complete sentences, correcting fragments & run-ons
- Demonstrate capitalization, punctuation, & spelling when writing
 - Use commas & quotation marks for direct speech & quotations
 - Use a comma before a coordinating conjunction sentence
 - Consult references as needed
- Use language & conventions when writing, speaking, reading, or listening
 - Choose words and phrases to convey ideas precisely
 - Choose punctuation for effect
 - Know which situations to use formal or informal English
- Determine meanings of unknown & multiple-meaning words & phrases
- Understanding figurative language, word relationships, & nuances
 - Explain the meaning of simple similes and metaphors
 - Explain the meaning of common idioms, adages, & proverbs
 - Understand words by relating them to antonyms & synonyms
- Use grade-appropriate general academic & domain-specific words & phrases

Social Studies

Geography

- Demonstrate an understanding of the physical & human geographic features.
- Explain & use longitude & latitude to determine locations.
- Use coordinates to plot locations.
- Describe regions of CA.
- Identify physical features of CA & describe how they effect the growth of town
- Describe how communities in CA vary.

Exploration and Settlement

- Describe the interactions among people of CA. from the pre-Columbian societies
- Explain the economic, social, and political life in CA.

Government and Economics

- Explain how CA. became an agricultural & industrial power.
- Understand the structures, functions, & powers of the local, state, & federal

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Mathematical Practices

The Mathematical Practices describe ways in which students increasingly ought to engage with the subject matter as they grow in mathematical maturity & expertise. They are a balanced combination of procedure & understanding.

- Make sense of problems & persevere in solving them
- Reason abstractly & quantitatively
- Construct viable arguments & critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

Mathematics

Operations and Algebraic Thinking

- Interpret a multiplication equation as a comparison e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times greater than 7
- Multiply or divide to solve word problems
- Solve multistep word problems with whole numbers
- Find all factor pairs for a whole number (1–100)

Number and Operations in Base Ten

- Recognize that a digit is ten times greater than one place to the right
- Read and write multi-digit whole numbers
- Use place value to round multi-digit whole numbers
- Fluently add and subtract multi-digit whole numbers
- Multiply a whole number of up to four digits by a one-digit whole number
- Divide numbers up to 4-digits by 1-digit whole numbers

Number and Operations - Fractions

- Explain why two fractions are equivalent
- Compare two fractions with different numerators & different denominators
- Understand a fraction is a sum of its unit fraction
 - Add & subtract fractions
 - Add and subtract mixed numbers with like denominators
 - Solve word problems involving addition & subtraction of fractions
- Multiply a fraction by a whole number
 - Understand a fraction is a multiple of its unit fraction
 - Solve word problems involving multiplication of a fraction by a whole number
- Express equivalent fractions with denominators of 10 & 100
- Use decimal notation for fractions with denominators 10 or 100
- Compare two decimals to hundredths

Measurement and Data

- Know relative sizes of units within one system of measurement
- Solve word problems involving distance, time, volume, mass, and money
- Apply the area & perimeter formulas for rectangles in real-world problems
- Make a line plot to display data of measurements in fractions
- Recognize angles as shapes formed where two rays share a common endpoint
- Measure angles using a protractor
- Know that angles can be added together

Geometry

- Draw points, lines, segments, rays, and angles
- Classify 2-dimensional figures based on parallel or perpendicular lines
- Find a line of symmetry for a 2-dimensional figure

Science

Energy

- Kinetic energy and energy transfer
- Energy in collisions
- Energy conversion device design
- Energy and natural resources environmental effects

Waves

- Develop a model of a wave
- Solutions for information transfer

Structure, Function, and Information Processing

- Develop a mode of vision
- Plant and animal survival mechanisms
- Models of the animal sensory system

Earth's Place in the Universe

- Rock formations and fossils
- Effects of weathering
- Patterns of Earth's features

Sci. Engineering Practices/CrossCutting Concepts

- Patterns
- Cause and Effect: Mechanism and Explanation
- Scale, Proportion, and Quantity
- Systems and System Models
- Energy and Matter: Flows, Cycles, and Conservation
- Structure and Function
- Stability and Change
- Asking Questions and Defining Problems
- Developing and Using Models
- Planning and Carrying Out Investigations
- Analyzing and Interpreting Data
- Using Mathematics and Computational Thinking
- Constructing Explanations and Designing Solutions
- Engaging in Argument from Evidence

- Obtaining, Evaluating, and Communicating Information
- Defining & Delimiting Engineering Problems
- Developing Possible Solutions
- Optimizing the Design Solution