

Sunnyvale School District's Parent Guide to the 5th Grade Report Card

Introduction

This Parents' Guide to the Report Card is intended to help all parents understand the rubrics and Common Core Standards used for Language Arts, Social Studies, Mathematics, and Science (www.corestandards.org)

Language Arts

Reading: Foundational Skills

- Decode using phonics and word analysis skills
- Read accurately and fluently to support comprehension
- Read prose and poetry with purpose, understanding, accuracy, appropriate rate, and expression

Reading: Literature

- Quote accurately from a text
- Explain concrete events and make inferences
- Determine a theme of a story, drama, or poem
- Summarize a text
- Compare and contrast two or more characters, settings, or events, using specific details
- Determine the meaning of words and phrases, including similes and metaphors
- Explain how chapters, scenes, or stanzas fit together to provide the overall structure
- Describe a narrator's or speaker's point of view
- Compare and contrast stories in the same genre

Reading: Informational Text

- Quote accurately from a text
- Explain information and make inferences
- Summarize by determining main ideas and supporting details
- Explain the interactions between two or more individuals, events, ideas, or concepts in texts
- Determine the meaning of academic and content vocabulary
- Compare and contrast the information in two or more texts.
- Analyze similarities and differences in multiple accounts of the same event or topic
- Quickly locate an answer to a question using multiple print or digital sources
- Explain how an author uses reasons and evidence to support particular points in a text

- Integrate information from several texts in order to write or speak about the subject
- ### **Writing**
- Write opinion pieces by stating a topic/opinion, providing reasons/facts, supporting with facts/details, using transitions words and phrases, and including a concluding statement
 - Write informative texts by introducing a topic, maintaining focus, clearly organizing information, supporting with evidence from texts, using transition words and phrases, using precise language and vocabulary, and including a concluding statement
 - Write narratives by establishing a situation, introducing narrators and/or characters, using narrative techniques, a variety of transitional words and phrases, sensory details, conclusion that follows the sequence of experiences or events.
 - Produce writing appropriate for the task, purpose, and audience
 - Develop writing by planning, editing, and rewriting
 - Use technology to produce and publish writing and to collaborate with others
 - Conduct research projects by using various sources and taking notes to summarize

Language

- Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- Use knowledge of language and its conventions when writing, speaking, reading, or listening.
- Explain the function of conjunctions, prepositions, and interjections
- Use verb tense, including the perfect verb tense, to convey various times, sequences, states, and conditions
- Recognize and correct inappropriate shifts in verb tense
- Use conjunctions like either/or and neither/nor
- Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- Use punctuation to separate items in a series.

- Use a comma to separate introductory elements, tag questions, direct address, and yes/no from the rest of the sentence.
- Use underlining, quotation marks, or italics to indicate titles of works.
- Edit and revise sentences for meaning and style.
- Compare and contrast English dialects in literature
- Use context as a clue to the meaning of a word or phrase.
- Use Greek and Latin affixes and roots and the relationship between words as clues to the meaning of a word
- Consult reference materials to spell grade-appropriate words correctly and find the precise meanings of words
- Interpret and explain figurative language

Speaking and Listening

*Participate in collaborative discussions *Summarize points a speaker makes *Make claims supported by evidence *Report on a topic or present an opinion *Speak clearly at a good pace *Include multimedia components in presentations *Adapt speech to a variety of contexts and tasks

Mathematical Practices

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

*Make sense of problems and persevere in solving them *Reason abstractly and quantitatively *Construct viable arguments and 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

- Use parentheses, brackets, or braces in numerical expressions
- Write simple expressions that record calculations with numbers
- Express a whole number in the range 2-50 as a product of its prime factors
- Generate two numerical patterns using two given rules

Sunnyvale School District's Parent Guide to the 5th Grade Report Card

Number and Operations in Base Ten

- Recognize a digit is 10X the digit to the right and 1/10 the digit to the left
- Explain patterns in the number of zeros when multiplying by powers of 10
- Read, write, and compare decimals to thousandths
- Write decimals using base-ten numerals, number names, and expanded form
- Compare two decimals to thousandths based on the digits in each place
- Use place value to round decimals to any place
- Fluently multiply multi-digit whole numbers
- Find quotients with up to 4-digit dividends and 2-digit divisors
- Add, subtract, multiply, and divide decimals to hundredths

Number and Operations - Fractions

- Add and subtract fractions and mixed numbers with like and unlike denominators using equivalent fractions
- Solve addition and subtraction fraction word problems using models or equations.
- Interpret a fraction as division of the numerator by the denominator ($a/b = a \div b$) and solve word problems
- Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.
- Use area models to represent fractional multiplication.
- Interpret multiplication as scaling (resizing), by understanding that multiplying a whole number by a fraction results in a product less than one of the factors and predicting products and explaining why they are reasonable
- Solve real-world problems involving multiplication of fractions and mixed numbers
- Divide a whole number by a unit fraction and a unit fraction by a whole number
- Solve real-world problems involving division of unit fractions by whole numbers and division of whole numbers by unit fractions

Measurement and Data

- Convert among different-sized standard measurement units
- Make a line plot to display measurements in fractions of a unit
- Understand concepts of volume measurement
- Multiply and add to solve real-world mathematical problems involving volume
- Find the volume of a right rectangular prism with whole-number side lengths and apply the formulas $V=l \times w \times h$ and $V=b \times h$ for rectangular prisms

Geometry

- Use a pair of axes, to define the coordinates of a given point in the plane
- Represent real-world mathematical problems by graphing points
- Understand that attributes of a category also belong to all subcategories
- Classify two-dimensional figures in a hierarchy based on properties

Social Studies

Geography

- Describe the major pre-Columbian settlements, including the American Indians in North America
- Know the location of the current 50 states and the names of their capitals

Exploration and Settlement

- Trace the routes of early explorers and describe the early explorations of the Americas.
- Describe the cooperation and conflict between American Indians and new settlers
- Trace the colonization, immigration, and settlement patterns of the American people after the American Revolution

Government and Economics

- Understand the political, religious, social, and economic institutions that evolved in the colonial era
- Understand and explain the causes, course, and consequences of the American Revolution
- Describe the people and events associated with the development of the US Constitution and analyze its significance

Science

Structures and Properties of Matter

- Develop a Particle Model of Matter
- Provide Evidence of the Conservation of Matter
- Identify Materials Based on Their Properties
- Investigating New Substances

Matter and Energy in Organisms and Ecosystems

- Food Energy from the Sun Using Models
- Plants Require Air and Water
- Develop a Model of Matter Cycling

Earth's Place in the Universe

- Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from Earth.
- Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky
- Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact
- Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth
- Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment

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 and delimiting engineering problems *Developing possible solutions *Optimizing the design solutions