OPEN WIDE AND TREK INSIDE

California Science Content Standards Life Science - Grades 1 & 2

Lesson	Standard	Description
4, 5	2.b	Know both plants and animals need water, animals need food, and plants need light. (1)
2	2.d	Know how to infer what animals eat from the shapes of their teeth (e.g., sharp teeth: eats meat; flat teeth: eats plants). (1)
2, 3, 4	4.a	Draw pictures that portray some features of the thing being described. (1)
1, 2, 3	4.b	Record observations and data with pictures, numbers, or written statements. (1)
2	4.c	Record observations on a bar graph. (1)
1, 2, 3, 5	4.d	Make new observations when discrepancies exist between two descriptions of the same object or phenomenon. (1)
1, 2, 5	2.d	Know there is variation among individuals of one kind within a population. (2)
2, 3, 5, 6	4.a	Make predictions based on observed patterns and not random guessing. (2)
2, 3	4.c	Compare and sort common objects according to two or more physical attributes (e. g., color, shape, texture, size, weight). (2)
3, 5, 6	4.d	Write or draw descriptions of a sequence of steps, events, and observations. (2)
2	4.e	Construct bar graphs to record data, using appropriately labeled axes. (2)
3	4.f	Use magnifiers or microscopes to observe and draw descriptions of small objects or small features of objects. (2)
1, 2, 3	4.g	Follow oral instructions for a scientific investigation. (2)

California English-Language Arts Content Standards – Grades 1 & 2

Reading

Lesson	Standard	Description
1, 4, 6	2.2	Respond to *who, what, when, where,* and *how* questions. (1)
2, 3, 4, 6	2.3	Follow one-step written instructions. (1)
1, 3, 4, 6	2.6	Relate prior knowledge to textual information. (1)

1, 4, 6	**2.7**	Retell the central ideas of simple expository or narrative passages. (1)
4, 6	**2.3**	Use knowledge of the author's purpose(s) to comprehend informational text. (2)
1, 4, 6	**2.4**	Ask clarifying questions about essential textual elements of exposition (e.g., *why, what if, how).* (2)
1, 4, 6	**2.5**	Restate facts and details in the text to clarify and organize ideas. (2)
2, 3, 6	**2.7**	Interpret information from diagrams, charts, and graphs. (2)
2, 3, 6	**2.8**	Follow two-step written instructions. (2)
Writing	
Lesson	**Standard**	**Description**
All lessons	**1.1**	Select a focus when writing. (1)
All lessons	**1.2**	Use descriptive words when writing. (1)
All lessons	**1.3**	Print legibly and space letters, words, and sentences appropriately. (1)
All lessons	**2.2**	Write brief expository descriptions of a real object, person, place, or event, using sensory details. (1)
All lessons	**1.1**	Group related ideas and maintain a consistent focus. (2)
All lessons	**1.2**	Create readable documents with legible handwriting. (2)
All lessons	**2.1**	Write brief narratives based on their experiences. (2)
Listening and Speaking	
Lesson	**Standard**	**Description**
All lessons	**1.1**	Listen attentively. (1)
All lessons	**1.2**	Ask questions for clarification and understanding. (1)
All lessons	**1.3**	Give, restate, and follow simple two-step directions. (1)
All lessons	**1.5**	Use descriptive words when speaking about people, places, things, and events. (1)
1, 4, 6	**2.2**	Retell stories using basic story grammar and relating the sequence of story events by answering *who, what, when, where, why,* and *how* questions. (1)
2, 5	**2.3**	Relate an important life event or personal experience in a simple sequence. (1)
All lessons	**2.4**	Provide descriptions with careful attention to sensory detail. (1)
All lessons	**1.1**	Determine the purpose or purposes of listening (e.g., to obtain information, to solve problems, for enjoyment). (2)

All lessons	1.2	Ask for clarification and explanation of stories and ideas. (2)
All lessons	1.3	Paraphrase information that has been shared orally by others. (2)
2, 3, 5	1.4	Give and follow three-and four-step oral directions. (2)
2, 3, 4, 5, 6	1.6	Speak clearly and at an appropriate pace for the type of communication (e.g., informal discussion, report to class). (2)
2, 3, 4, 5, 6	1.9	Report on a topic with supportive facts and details. (2)
2, 5, 6	2.1	Recount experiences or present stories. (2)
2, 3, 4, 5, 6	2.2	Report on a topic with facts and details, drawing from several sources of information. (2)

California Mathematics Content Standards - Grades 1 & 2

Number Sense		
Lesson	**Standard**	**Description**
2, 5	2.5	Show the meaning of addition (putting together, increasing) and subtraction (taking away, comparing, finding the difference). (1)
2, 5	3.1	Make reasonable estimates when comparing larger or smaller numbers. (1)
Measurement and Geometry		
2	2.2	Classify familiar plane and solid objects by common attributes, such as color, position, shape, size, roundness, or number of corners, and explain which attributes are being used for classification. (1)
2, 5	2.4	Arrange and describe objects in space by proximity, position, and direction (e.g., near, far, below, above, up, down, behind, in front of, next to, left or right of). (1)
Statistics, Data Analysis, and Probability		
2, 5	1.1	Sort objects and data by common attributes and describe the categories. (1)
2, 3	1.2	Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs. (1)
2	1.1	Record numerical data in systematic ways, keeping track of what has been counted. (2)
2	1.2	Represent the same data set in more than one way (e.g., bar graphs and charts with tallies). (2)
2, 3, 5	1.4	Ask and answer simple questions related to data representations. (2)
Mathematical Reasoning		

| 3 | 1.1 | Determine the approach, materials, and strategies to be used. (1, 2) |
| 3 | 2.1 | Explain the reasoning used and justify the procedures selected. (1, 2) |