California Alternate Performance Assessment (CAPA) Standards

CAPA – LEVEL I – Grades 2-11

English-Language Arts

Word Analysis, Fluency, and Vocabulary Development

Kindergarten
1.3 Understand that printed materials provide information.
✓ Identify environmental symbols /signs/cues.
✓ Match symbol or cue to activity or function.

Grade 1
1.17 Classify grade appropriate categories of words (e.g. concrete collections of animals, foods, toys).
✓ Identify object by function.
✓ Sort objects by function/use.
✓ Identify picture by function

Reading Comprehension

Grade 1
2.3 Follow one-step written instructions.
✓Identify a picture/word cue.

Writing

Kindergarten
1.3 Write words and brief sentences that are legible.
✓ Demonstrate left to right/top to bottom sequencing in a variety of activities.
✓ Hold writing implement.
✓Make marks on paper.
✓Trace/copy purposeful marks on paper.

Listening and Speaking

Kindergarten
1.1 Understand and follow one and two step oral directions.
✓ Orient in direction of speaker.
✓ Respond to voice by stopping activity or going to source of sound.
✓ Attend to speaker for duration of activity.
1.2 Share information and ideas, speaking audibly in complete, coherent sentences.

Mathematics

Number Sense

Kindergarten
1.2 Count, recognize, represent, name, and order a number of objects (up to 30).
✓ Indicate quantity of "1".
✓ Indicate quantities of more than 1.
✓ Match printed numerals to same.

Grade 1
1.1 Count, read, and write whole numbers to 100.
✓ Count whole numbers to 3.
2.3 Identify one more than, one less than, 10 more than, and 10 less than a given number.
✓ Identify one more than.
✓ Identify more and less.
✓ Demonstrate the ability to give "one more".

Algebra and Functions

Kindergarten
1.1 Identify, sort, and classify objects by attribute and identify objects that do not belong to a particular group (e.g., all these balls are green, those are red).
✓ Match colors.
✓ Match shapes.
✓ Match sizes.
✓ Sort items by single attribute.
✓ Classify objects by category (i.e. food, clothing, animals).

Measurement and Geometry

Kindergarten
1.2 Demonstrate an understanding of concepts of time (e.g., morning, afternoon, evening, today, yesterday, tomorrow, week, year) and tools that measure time (e.g., clock, calendar).
✓ Identify "day and night" from a set of pictures.
✓ Match activity to time of day.
✓ Follow a picture/word sequence schedule/calendar.

Science

Physical Science

Kindergarten
1a Students know objects can be described in terms of the materials they are made of (e.g., clay, cloth, paper) and their physical properties (e.g., color, size, shape, weight, texture, flexibility, attraction to magnets, floating, sinking).
✓ Identify color of object.
✓ Identify size of object.
✓ Identify texture of object.
1b Students know water can be a liquid or a solid and can be made to change back and forth from one form to the other.
✓ Identify ice.
✓ Identify water.

Grade 2
1c Students know the way to change how something is moving is by giving it a push or a pull. The size of the change is related to the strength, or the amount of force of the push or pull.
✓ Pull an object/switch.
✓ Push an object/switch.
1e Students know objects fall to the ground unless something holds them up.
✓ Explore gravity by causing different objects to fall (e.g., feather, balloon, ball, etc.).
✓ Hold object and release upon request.

Life Science

Kindergarten
2c Students know how to identify major structures of common plants and animals (e.g., stems, leaves, roots, arms, wings, legs).
✓ Identify body parts on self.
✓ Identify animal body parts.

Grade 1
2b Students know both plants and animals need water,

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✓ Communicate wants/needs using a gesture, action, voice output device or focalization. ✓ Communicate choice using a gesture, action, voice output device or vocalization. **Grade 1** 1.1 Listen attentively. ✓ Orient in direction of speaker. ✓ Respond to voice by stopping activity. ✓Attend to speaker for duration of activity.	✓ Using pictures, identify activity which comes next on a given schedule system. ✓ Identify a clock. 2.1 Identify and describe common objects (e.g., circle, triangle, square, rectangle, cube, sphere, cone). ✓ Identify and describe common objects (e.g., triangle, square, rectangle, cube, sphere, cone). 2.2 Compare familiar plane and solid objects by common attributes (e.g., position, shape, roundness, number of corners). ✓ Compare familiar plane and solid objects by size (i.e., which one is bigger). **Statistics, Data Analysis, &Probability** **Grade 1** 1.2 Represent and compare data (e.g., largest, smallest, most often, least often) by using pictures, bar graphs, tally charts, and picture graphs. ✓ Represent and compare concrete objects by placing on a chart and answering "Which is more?"	animals need food, and plants need light. ✓ Identify animals. ✓ Identify plants. ✓ Sort animals from plants. **Earth Science** **Kindergarten** 3b Students know changes in weather occur from day to day and across seasons, affecting Earth and its inhabitants. ✓ Match pictures of weather to same. ✓ Identify various kinds of weather. **Investigation and Experimentation** **Kindergarten** 4a Observe common objects by using the five senses. ✓ Attend to scents. ✓ Attend to sound. ✓ Attend to visual material. 4c Describe the relative position of objects by using one reference (e.g., above or below). ✓ Follow simple positional receptive instruction (e.g., put water in bowl). ✓ Position objects by using one reference (e.g., in, on, above, etc.).

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CAPA – LEVEL II – Grades 2-3

English-Language Arts	Mathematics	Science
Word Analysis, Fluency, and Vocabulary Development **Grade 2** 1.2 Decode two syllable nonsense words and regular multi-syllable words. ✓Identify own first name and names of classmates or teachers. 1.7 Understand and explain common antonyms and synonyms. ✓ Sort same and different (e.g. picture vocabulary accompanied by text). **Reading Comprehension** **Grade 3** 2.1 Use titles, tables of contents, chapter headings, glossaries, and indexes to locate information in text. ✓ Find the title on the cover of a book. 2.3. Demonstrate comprehension by identifying answers in the text. ✓ Answer who, what, and where questions. 2.4 Recall major points in the text and make and modify predictions about forthcoming information. ✓ Use pictures to recall major points in sequence. **Literary Response and Analysis** **Grade 2** 2.3 Generate alternative endings to plots and identify the reason or reasons for, and the impact of, the alternatives. ✓ Sequence beginning and ending. **Grade 3** 3.2 Comprehend basic plots of classic fairly tales, myths, folktales, legends, and fables from around the world. ✓ Identify the action of a character. 3.3 Determine what characters are like by what they say or do and by how the author or illustrator portrays them. ✓ Identify the emotions of a character.	**Number Sense** **Grade 2** 1.1 Count, read, and write whole numbers to 1,000 and identify the place value for each digit. ✓ Count and identify numbers from one to ten. 1.3 Order and compare whole numbers to 1,000 by using the symbols <, =, >. ✓ Compare two sets of objects to determine which is equal by using the equal symbol. 2.2 Find the sum or difference of two whole numbers up to 3 digits long. ✓ Find the sum of two whole numbers (limited to single digit numbers and sums up to five). 3.3 Know the multiplication tables of 2's, 5's, and 10's (to "times 10") and commit them to memory. ✓ Count by 2's to ten from memory. 4.1 Recognize, name, and compare unit fractions from 1/12 to 1/2. ✓ Recognize 1/2 and one whole using pictures and overlays of familiar objects. 4.3 Know that when all fractional parts are included, such as four-fourths, the result is equal to the whole and to one. ✓ Know that when all fractional parts are included, limited to two halves, the result is equal to the whole or to one. 5.1 Solve problems using combinations of coins and bills. ✓ Identify penny, quarter, and dollar bill. 5.2 Know and use the decimal notation and the dollar and cent symbols for money. ✓ Recognize the dollar symbol. **Grade 3** 1.1 Count, read, and write whole numbers to 10,000. ✓ Count and identify numbers from 1 to 15 and write numbers from 1 to 5. 1.2 Compare and order whole numbers to 10,000. ✓ Order whole numbers to 5. 2.1 Find the sum or difference of two whole numbers between 0 and 10,000. ✓ Find the sum of two whole numbers (limited to single	**Not tested at this grade level.**

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California Alternate Performance Assessment (CAPA) Standards

Written & Oral Language Conventions

Grade 2
1.3 Identify and correctly use various parts of speech, including nouns and verbs, in writing and speaking.
✓ Identify pictures of action verbs or objects.

Grade 3
1.2 Identify subjects and verbs that are in agreement and identify and use pronouns, adjectives, compound words, and articles correctly in writing and speaking.
✓ Identify pictorial representations of singular and plural nouns.
1.5 Punctuate dates, city and state, and titles of books correctly.
✓ Identify a period and a question mark.
1.7 Capitalize geographical names, holidays, historical periods, and special events correctly.
✓ Identify words that start with capital letters.
1.8 Spell correctly one-syllable words that have blends, contractions, compounds, orthographic patterns and common homophones.
✓ Spell/write own first name (first syllable only).
1.9 Arrange words in alphabetical order.
✓Arrange letters in alphabetic order (one blank space in a closed field of tree).

Listening and Speaking

Grade 2
1.1 Determine the purpose or purposes of listening.
✓ Follow one-step oral directions.
2.1 Recount experiences or present stories.
✓ Sequence events in one's day.

Grade 3
1.1 Respond to questions with appropriate elaboration.
✓ Respond to questions about choices or yes/no questions.
2.1 Make brief narrative presentations.
✓ Respond to questions about one's daily activities.

digits and sums up to 10).
3.1 Compare fractions represented by drawings or concrete materials to show equivalency and to add and subtract simple fractions in context (e.g., 1/2 of a pizza is the same amount as 2/4 of another pizza that is the same size; show that 3/8 is larger than 1/4).
✓ Compare halves and one whole.
✓ Recognize 1/4.
3.3 Solve problems involving addition, subtraction, multiplication and division of money amounts in decimal notation and multiply and divide money amounts in decimal notation by using whole number multipliers and divisors.
✓ Solve simple one-step problems involving addition of money amounts using either pennies or dollars.

Algebra and Functions

Grade 3
1.1 Represent relationships of quantities in the form of mathematical expressions, equations and inequalities.
✓ Relate simple problem situations to number sentences involving addition with sums up to 5.
1.3 Select appropriate operational and relational symbols to make an expression true (e.g., if 4 __ 3 = 12, what operational symbol goes in the blank?).
✓ Select appropriate operational sign to make a number sentence true, using numbers up to 5.
2.2 Extend and recognize a linear pattern by its rules (e.g., the number of legs on a given number of horses may be calculated by counting by 4's or by multiplying the number of horses by 4).
✓ Extend and recognize an AB pattern by a single attribute.
✓ Extend and recognize an ABC pattern by a single attribute.

Measurement and Geometry

Grade 2
1.3 Measure the length of an object to the nearest inch and/or centimeter.
✓ Measure the length of an object to the nearest foot (up to 3 ft.).
1.4 Tell time to the nearest quarter hour and know relationships of time (e.g., minutes in an hour, days in a month, and weeks in a year).
✓ Know relationships of time (night and day).

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	2.1 Describe and classify plane and solid geometric shapes (e.g., circle, triangle, square, rectangle, sphere, pyramid, cube, rectangular prism) according to the number and shape of faces, edges, and vertices. ✓ Identify common geometric objects (e.g., circle, triangle, and square). **Grade 3** 1.1 Choose the appropriate tools and units (metric and U.S.) and estimate and measure the length, liquid volume, and weight/mass of given objects. ✓ Choose the appropriate tool to measure length and weight. 2.1 Identify, describe, and classify polygons (including pentagons, hexagons, and octagons). ✓ Identify an attribute of a square and triangle (sides only). 2.5 Identify, describe, and classify common three-dimensional geometric objects (e.g., cube, rectangular solid, sphere, prism, pyramid, cone, and cylinder). ✓ Identify common three-dimensional objects (cube and cone). **Statistics, Data Analysis, &Probability** **Grade 2** 1.4 Ask and answer simple questions related to data representations. ✓ Answer simple questions related to data representations. **Grade 3** 1.3 Summarize and display the results of probability experiments in a clear and organized way (e.g., use a bar graph or line plot). ✓ Answer simple questions based on information from a chart, bar graph, or picture graph.	

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CAPA – LEVEL III – Grades 4-5

English-Language Arts

Word Analysis, Fluency, and Vocabulary Development

Grade 5
1.3 Understand and explain frequently used synonyms, antonyms, and homographs.
✓ Match .homophones or homographs to the correct picture; match opposites with picture/print.

Reading Comprehension

Grade 4
2.6 Distinguish between cause and effect and between fact and opinion in expository text.
✓ Measure cause-and-effect with an "if then" statement.
2.7 Follow multiple-step instructions in a basic technical manual.
✓ Follow two-step oral directions.
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Grade 5
2.1 Understand how text features (e.g. format, graphics, sequence, diagrams, illustrations, charts, maps) make information accessible and usable.
✓ Interpret a bar graph, identify simple feature on a simple map.
2.2 Analyze text that is organized in sequential or chronological order.
✓ When given two or tree sequential pictures, choose the connect picture to answer the question.
2.3 Discern main ideas and concepts presented in texts, identifying and assessing evidence that supports those ideas.
✓ Identify the main idea (in text read to the student).

Literary Response and Analysis

Grade 4
3.2 Identify the main events of the plot, their causes, and the influence of each event on future actions.
✓ Sequence the main events of a simple story showing the beginning, middle, and end (using pictures).

Mathematics

Number Sense

Grade 4
1.1 Read and write whole numbers in the millions.
✓ Write whole numbers to 15.
✓ Count and read whole numbers to 20.
✓ Identify the ones and tens place value of a whole number up to 15.
1.2 Order and compare whole numbers and decimals to two decimal places.
✓ Order whole numbers to 10.
✓ Compare whole numbers using the > and = symbols.
1.7 Write the fraction represented by a drawing of parts of a figure; represent a given fraction by using drawings; and relate a fraction to a simple decimal on a number line.
✓ Identify the fraction represented by a drawing of parts of a figure (1/2 and 1/4).
2.1 Estimate and compare the sum or difference of whole numbers and positive decimals to two places.
✓ Using a calculator, determine the sum of whole numbers up to 20.
3.1 Demonstrate an understanding of, and the ability to use, standard algorithms for the addition and subtraction of multi-digit numbers.
✓ Using a set of numbers 1-5, find the difference of two whole numbers.

Grade 5
1.5 Identify and represent on a number line decimals, fractions, mixed numbers, and positive and negative integers.
✓ Identify numbers up to 50 on a number line.
2.1 Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.
✓ Add whole numbers with sums up to 50 and subtract single digit numbers.

Science **Tested in Grade 5 only**

Physical Science

Grade 4
1f Students know that magnets have two poles and that like poles repel each other while unlike poles attract each other.
✓ Know that some objects are attracted to magnets.
Grade 5
1a Students know that during chemical reactions the atoms in the reactant rearrange to form products with different properties.
✓ Know that two substances may combine to form a new substance.
1c Students know metals have properties in common, such as high electrical and thermal conductivity. Some metals, such as aluminum (Al), iron (Fe), nickel (Ni), copper (Cu), silver (Ag), and gold (Au), are pure elements; others, such as steel and brass, are composed of a combination of elemental metals.
✓ Know that metals conduct heat.
1g Students know properties of solid, liquid, and gaseous substances, such as sugar ($C_6H_{12}O_6$), water (H_2O), helium (He), oxygen (O_2), nitrogen (N_2), and carbon dioxide (CO_2).
✓ Know properties of matter: solid, liquid, gas.

Life Science

Grade 4
2b Students know producers and consumers (herbivores, carnivores, omnivores, and decomposers) are related in food chains and food webs and may compete with each other for resources in an ecosystem.
✓ Know that plants (producers) are a source of food.
✓ Know that animals (consumers) eat plants and other animals for food.
3b Students know that in any one particular environment, some kinds of plants and animals survive well, some survive less well and some cannot survive at all.
✓ Know that animals inhabit and can survive in

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3.3 Use knowledge of the situation and setting and of character traits and motivations to determine the causes for that character's actions.
✓ Describe a character's behavior with emotion and answer the "why" question.
3.4 Compare and contrast tales from different cultures by tracing the exploits of one character type and develop theories to account for similar tales in diverse cultures.
✓ Identify the sameness between two stories (characters and location).

Grade 5
3.2 Identify the main problem or conflict of the plot and how it is resolved.
✓ Tell or show the main problem or conflict of a short two- or three-sentence story (orally presented).

Written & Oral Language Conventions

Grade 5
1.2 Identify and correctly use verbs that are often misused (e.g. lie/lay, sit/set, rise/raise).
✓ Match the modifier and/or pronouns with the appropriate picture prompt.
1.3 Use a colon to separate hours and minutes and to introduce a list; use quotations marks around the exact words of speaker and titles of poems, songs, short stories, and so forth.
✓ Identify the proper use of a colon, period, exclamation point, quotation mark, question mark.
1.4 Use correct capitalization.
✓ Identify the correct usage of capitalization (name, months, days).

Writing

Grade 4
1.1 Select a focus, an organizational structure, and a point of view based upon purpose, audience, length, and format requirements.
✓ Match key word to simple sentence.
1.3 Use traditional structures for conveying information (e.g. chronological order, cause and effect, similarity and difference, posing and answering a question.
✓ Identify a question versus a statement.

Grade 5
1.6 Edit and revise manuscripts to improve the meaning and focus of writing by adding, deleting, consolidating,

2.3 Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form.
✓ Solve simple problems with sums up to 20, including ones arising in concrete situations, involving the addition and subtraction of whole numbers.

Algebra and Functions

Grade 4
1.1 Use letters, boxes, or other symbols to stand for any number in simple expressions and equations (e.g., demonstrate an understanding and the use of the concept of a variable).
✓ Use a box to stand for a single digit number in simple equations where the sum is up to 5.

Grade 5
1.1 Use information taken from a graph or equation to answer questions about a problem situation.
✓ Use information taken from a graph to answer simple questions.

Measurement and Geometry

Grade 4
3.1 Identify lines that are parallel and perpendicular.
✓ Identify lines that are parallel.
3.2 Identify the radius and diameter of a circle.
✓ Identify the diameter of a circle.
3.3 Identify congruent figures.
✓ Identify congruent shapes.
3.6 Visualize, describe, and make models of geometric solids (e.g., prisms, pyramids) in terms of the number and shape of faces, edges, and vertices; interpret two-dimensional representations of three-dimensional objects; and draw patterns (of faces) for a solid that, when cut and folded, will make a model of the solid.
✓ Identify a face, an edge, or a vertex of a cube.

Grade 5
1.4 Differentiate between and use appropriate units of measures for, two- and three-dimensional objects (i.e., find perimeter, area, volume).

different kinds of environments.
3c Students know many plants depend on animals for pollination and seed dispersal, and animals depend on plants for food and shelter.
✓ Know that animals use plants for shelter**.**

Grade 5
2b Students know how blood circulates through the heart chambers, lungs, and body and how carbon dioxide (CO_2) and oxygen (O_2) are exchanged in the lungs and tissues.
✓ Know that the heart pumps blood through the body.
✓ Know that oxygen is inhaled and carbon dioxide is exhaled.
2c Students know the sequential steps of digestion and the roles of teeth and the mouth, esophagus, stomach, small intestine, large intestine, and colon in the function of the digestive system.
✓ Know that the mouth aids in the digestion of food.
✓ Know that the stomach aids in the digestion of food.
✓ Know that the colon releases waste products.

Earth Science

Grade 4
4a Students know how to differentiate among igneous, sedimentary, and metamorphic rocks by referring to their properties and methods of formation.
✓ Know properties of various rocks (e.g., color, shiny, dull, rough, smooth).

Grade 5
3b Students know when liquid water evaporates, it turns into water vapor in the air and can reappear as a liquid when cooled or as a solid if cooled below the freezing point of water.
✓ Know that matter can change from one form to another**.**
3c Students know water vapor in the air moves from one place to another and can form fog or clouds, which are tiny droplets of water or ice, and can fall to Earth as rain, hail, sleet, or snow.
✓ Know that water vapor can form fog or clouds.
✓ Know that water can fall to Earth as rain, hail, or snow.
3d Students know that the amount of fresh water located in rivers, lakes, underground sources, and glaciers is

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clarifying, and rearranging words and sentences. ✓ Match sentence representation to a given model.	✓ Choose the appropriate tool to measure the liquid volume and weight/mass of a given object. 2.1 Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software). ✓ Identify common geometric shapes (rectangles, diamonds, octagons, and stars). **Statistics, Data Analysis, &Probability** **Grade 4** 1.1 Formulate survey questions; systematically collect and represent data on a number line; and coordinate graphs, tables, and charts. ✓ Represent data in a graph, table, or chart. 1.2 Identify the mode(s) for sets of categorical data and the mode(s), median, and any apparent outliers for numerical data sets. ✓ Identify the mode from a graph or representation. 1.3 Interpret one- and two-variable data graphs to answer questions about a situation. ✓ Answer a simple question related to a graph. **Grade 5** 1.1 Know the concepts of mean, median, and mode; compute and compare simple examples to show that they may differ. ✓ Find the median of a sequenced data set containing 5 data points. 1.4 Identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph. ✓ Identify a point up to five on a vertical number line. ✓ Identify a point up to five on a horizontal number line.	limited and that its availability can be extended by recycling and decreasing the use of water. ✓ Know where fresh water is located (e.g., rivers, lakes). ✓ Know that the amount of fresh water is limited. ✓ Know that the availability of fresh water can be extended by decreasing the use of water. 5a Students know the Sun, an average star, is the central and largest body in the solar system and is composed primarily of hydrogen and helium. ✓ Know that the Sun produces heat and light. **Investigation and Experimentation** **Grade 4** 6a Differentiate observation from inference and know scientists' explanations come partly from what they observe and partly from how they interpret their observations. ✓ Make inferences based on observations. 6d Conduct multiple trials to test a prediction and draw conclusions about the relationships between predictions and results. ✓ Repeat observations to improve accuracy. ✓ Predict the outcome of a simple investigation. **Grade 5** 6a Classify objects (e.g., rocks, plants, and leaves) in accordance with appropriate criteria. ✓ Classify objects by appropriate criteria. 6f Select appropriate tools (e.g., thermometers, meter sticks, balances, and graduated cylinders) and make quantitative observations. ✓ Select appropriate tools (e.g., ruler, scale, measuring cup) and make quantitative observations. 6g Record data by using appropriate graphic representations (including charts, graphs, and labeled diagrams) and make inferences based on those data. ✓ Represent data on a graph. ✓ Interpret simple bar/pictorial graphs.

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California Alternate Performance Assessment (CAPA) Standards

CAPA – LEVEL IV – Grades 6-8

English-Language Arts

Word Analysis, Fluency, and Vocabulary Development

Grade 6
1.3 Read aloud narrative and expository text fluently and accurately and with appropriate pacing, intonation, and expression.
✓ Read a simple four-to-five word sentence composed of high-frequency words.

Grade 7
1.3 Clarify word meanings through the use of definition, example, restatement, or contrast.
✓ Understand frequently used synonyms, antonyms, and homographs.

Reading Comprehension

Grade 6
2.3 Connect and clarify main ideas by identifying their relationships to other sources and related topics.
✓ Select a book title that would provide more information for a main idea.

Grade 7.
2.3 Analyze text that uses the cause-and-effect organizational pattern.
✓ Distinguish between cause and effect in expository text.

Grade 8.
21. Compare and contrast the features and elements of consumer materials to gain meaning from documents (e.g., warranties, contracts, product information, instruction manuals).
✓ Identify the key features of consumer materials (e.g., telephone book, newspaper, magazines).
2.3 Find similarities and differences between texts in the treatment, scope, or organization of ideas.
✓ Identify an appropriate genre for a given task.

Mathematics

Number Sense

Grade 3
1.4 Round up numbers to 10,000 to the nearest ten, hundred, and thousand.
✓ Round off prices to the nearest dollar.

Grade 4
3.1 Demonstrate an understanding of, and the ability to use, standard algorithms for the addition and subtraction of multi-digit numbers.
✓ Using a calculator, solve addition problems with sums up to 75.

Grade 6
1.1 Compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.
✓ Order and compare numbers up to 75.
2.1 Solve problems involving addition, subtraction, multiplication, and division of positive fractions and explain why a particular operation was used for a given situation.
✓ Using a calculator, solve addition and subtraction problems with sums up to 75.
2.2 Explain the meaning of multiplication and division of positive fractions and perform the calculations (e.g., 5/8 divided by 15/16 = 5/8 × 16/15 = 2/3).
✓ Use repetitive addition to explain multiplication.
2.3 Solve addition, subtraction, multiplication, and division problems, including those arising in concrete situations that use positive and negative integers and combinations of these operations.
✓ Using a calculator, solve real-life addition and subtraction problems with sums up to 30.

Science **Tested in Grade 8 only**

Motion

1a Students know position is defined in relation to some choice of a standard reference point and a set of reference directions.
✓ Know that the position of an object can be described by locating it in relation to a reference point (another object).
1b Students know that average speed is the total distance traveled divided by the total time elapsed and that the speed of an object along the path traveled can vary.
✓ Know that an object's motion can be described by recording the change in position of the object over time.

Forces

2a Students know a force has both direction and magnitude.
✓ Know that the way to change how something is moving is by giving it a push or a pull.
✓ Know that the size of the change is related to the amount of force of the push or pull.
2d Students know how to identify separately the two or more forces that are acting on a single static object, including gravity, elastic forces due to tension or compression in matter, and friction.
✓ Know that forces that act on an object include gravity and friction.
2f Students know the greater the mass of an object, the more force is needed to achieve the same rate of change in motion.
✓ Know that the greater mass of an object, the more force is needed to move the object.

Structure of Matter

3f Students know how to use the periodic table to identify elements in simple compounds.
✓ Know that the periodic table is used to identify elements.

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California Alternate Performance Assessment (CAPA) Standards

Literary Response and Analysis

Grade 6
3.2 Analyze the effect of the qualities of the character (e.g., courage or cowardice, ambition or laziness) on the plot and the resolution of the conflict.
✓ Use knowledge of a character's traits to determine the causes for that character's actions.
3.6 Analyze the effect of the qualities of the character (e.g., courage or cowardice, ambition or laziness) on the plot and the resolution of the conflict.
✓ Use knowledge of a character's traits to determine the causes for that character's actions.
✓ Identify themes conveyed through characters, actions, and images.

Grade 7.
3.2 Identify events that advance the plot, and determine how each event explains past or present action(s) or foreshadows future action(s).
✓ Identify the main events of the plot and the influence of those main events on future actions.

Grade 8.
3.2 Evaluate the structural elements of the plot (e.g., subplots, parallel episodes, climax), the plot's development, and the way in which conflicts are (or are not) addressed and resolved.
✓ Identify a solution to a given problem/conflict.
✓ Identify whether the solution resolved the problem.

Written & Language Conventions

Grade 6
1.1 Use simple, compound, and compound-complex sentences; use effective coordination and subordination of ideas to express complete thoughts.
✓ Use a simple sentence.
1.4 Use correct capitalization.
✓ Use correct capitalization at the beginning of a sentence.

Grade 8.
1.6 Use correct spelling conventions.
✓ Spell simple high-frequency words.

Algebra and Functions

Grade 6
1.1 Write and solve one-step linear equations in one variable.
✓ Solve one-step linear equations in one variable.
2.1 Convert one unit of measurement to another (e.g., from feet to miles, from centimeters to inches).
✓ Convert one unit of measurement to another (e.g., foot to inches, feet to yard).

Measurement and Geometry

Grade 3
1.1 Choose the appropriate tools and units (metric and U.S.) and estimate and measure the length, liquid volume, and weight/mass of given objects.
✓ Choose the appropriate tool to measure volume.

Earth in the Solar System (Earth Science)

4b Students know that the Sun is one of many stars in the Milky Way galaxy and that stars may differ in size, temperature, and color.
✓ Know that the Sun is an average star that provides heat and light to Earth.
4e Students know the appearance, general composition, relative position and size, and motion of objects in the solar system, including planets, planetary satellites, comets, and asteroids.
✓ Know that the Earth is one planet that orbits the Sun.
✓ Know that the Moon orbits the Earth.

Reactions

5d Students know physical processes include freezing and boiling, in which a material changes form with no chemical reaction.
✓ Know the physical changes for a liquid when it changes from one state to another (freezing, melting, boiling).

Chemistry of Living Systems (Life Science)

7c Students. know substances can be classified by their properties, including their melting temperature, density, hardness, and thermal and electrical conductivity.
✓ Know that substances can be classified by their physical properties (e.g., hardness, flexibility, density, and thermal conductivity)

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Density and Buoyancy

8d Students know how to predict whether an object will float or sink.
✓ Know that some objects float or sink.

Investigation and Experimentation

9a Plan and conduct a scientific investigation to test a hypothesis.
✓ Make a hypothesis based on prior knowledge.
✓ Conduct a scientific investigation to test a hypothesis.

✓ = Performance indicator for standard on the California Alternate Performance Assessment (CAPA)

California Alternate Performance Assessment (CAPA) Standards

Writing **Grade 6** 1.1 Choose the form of writing (e.g., personal letter, letter to the editor, review, poem, report, narrative) that best suits the intended purpose. ✓ Select a focus and an organizational structure based upon purpose (e.g., letter, report, list, story). **Listening and Speaking** **Grade 6** 1.3 Restate and execute multiple-step oral instructions and directions. ✓ Execute two- or three-step oral instructions and directions. **Grade 7**. 1.1 Ask probing questions to elicit information, including evidence to support the speaker's claims and conclusions. ✓ Ask a question to elicit information. 1.2 Determine the speaker's attitude toward the subject. ✓ Determine the speaker's attitude toward the subject. 1.5 Arrange supporting details, reasons, descriptions, and examples effectively and persuasively in relation to the audience. ✓ Maintain the topic for three exchanges. **Grade 8**. 1.5 Use precise language, action verbs, sensory details, appropriate and colorful modifiers, and the active rather than the passive voice in ways that enliven oral presentations. ✓ Use precise language such as sensory details (e.g., size, shape, color).		9b Evaluate the accuracy and reproducibility of data. ✓ Evaluate the accuracy of data. 9e Construct appropriate graphs from data and develop quantitative statements about the relationships between variables. ✓ Construct appropriate graphs from data (e.g., bar, pictograph, pie graph). ✓ Interpret relationships between variables (e.g., time vs. temperature; time vs. population).

✓ = Performance indicator for standard on the California Alternate Performance Assessment (CAPA)

California Alternate Performance Assessment (CAPA) Standards

CAPA – LEVEL V – Grades 9-12

English-Language Arts

Word Analysis, Fluency, and Vocabulary Development

Grades 9 and 10
1.1 Identify and use the literal and figurative meanings of words and understand word derivations.
✓ Identify and use the literal and common figurative meaning of words (e.g., running late, sick and tired).
1.2 Distinguish between the denotative and connotative meanings of words and interpret the connotative power of words.
✓ Understand "shades of meaning" in related words (e.g., softly and quietly).

Reading Comprehension

Grades 9 and 10
2.1 Analyze the structure and format of functional workplace documents, including the graphics and headers, and explain how authors use the features to achieve their purposes.
✓ Analyze environmental print (e.g., labels, signs, menus).
2.3 Generate relevant questions about readings on issues that can be researched.
✓ Choose relevant question for a provided topic.

Literary Response and Analysis

Grades 9 and 10
3.3 Analyze interactions between main and subordinate characters in a literary text (e.g., internal and external conflicts, motivations, relationships, influences) and the way those interactions affect the plot.
✓ Identify the interactions between main and subordinate characters in a literary text.
3.4 Determine characters' traits by what the characters say about themselves in narration, dialogue, dramatic monologue, soliloquy.
✓ Determine characters' traits by what the characters say about themselves in dialogue.

Mathematics

Number Sense

Grade 2
1.3 Order and compare whole numbers to 1,000 by using the symbols <, =, >.
✓ Order and compare numbers up to 100.
4.3 Know that when all fractional parts are included, such as four-fourths, the result is equal to the whole and to one.
✓ Using concrete objects, know that when all fractional parts are included, the results is that of the whole (i.e. halves and quarters).
5.1 Solve problems using combinations of coins and bills.
✓ Solve problems using combinations of coins and bills, rounded to the nearest dollar.

Grade 3
2.4 Solve simple problems involving multiplication of multi-digit numbers by one-digit numbers. (3,671 x 3 = __).
✓ Solve simple problems involving the multiplication of a one-digit number by a one-digit number.
3.2 Add and subtract simple fractions (e.g., determine that 1/8 + 3/8 is the same as 1/2).
✓ Using concrete objects, add unit fractions with like denominators (i.e., 1/2, 1/4).

Grade 4
3.1 Demonstrate an understanding of, and the ability to use, standard algorithms for the addition and subtraction of multi-digit numbers.
✓ Using a calculator, solve addition problems with sums up to 100.

Grade 7
1.2 Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.

Science **Tested in Grade 10 only**

Cell Biology

1f Students know usable energy is captured from sunlight by chloroplasts and is stored through the synthesis of sugar from carbon dioxide.
✓ Know that plants capture sunlight and convert it to energy.
✓ Know that plants use energy to make food.

Ecology

6b Students know how to analyze changes in an ecosystem resulting from changes in climate, human activity, introduction of nonnative species, or changes in population size.
✓ Know that changes in ecosystems may be due to climate changes, impact of human activity, and changes in population size.
6e Students know a vital part of an ecosystem is the stability of its producers and decomposers.
✓ Know the role of producers and decomposers in an ecosystem.
6f Students know at each link in a food web some energy is stored in newly made structures but much energy is dissipated into the environment as heat. This dissipation may be represented in an energy pyramid.
✓ Know levels of the energy pyramid (e.g., producers, consumers).
✓ Know the role of an organism in a simple food web.

Evolution (Speciation)

8e Students know how to analyze fossil evidence with regard to biological diversity, episodic speciation, and mass extinction.
✓ Know that fossil evidence can be analyzed with regard to species change over time and mass extinction.

Physiology (Homeostasis)

9a Students know how the complementary activity of major body systems provide cells with oxygen and nutrients and removes toxic waste products such as carbon dioxide.
✓ Know that the circulatory system moves nutrients and oxygen in blood through the body.

✓ = Performance indicator for standard on the California Alternate Performance Assessment (CAPA)

California Alternate Performance Assessment (CAPA) Standards

3.5 Compare works that express a universal theme, and provide evidence to support the ideas expressed in each work.
✓ Compare features of themes conveyed through characters' actions.

Written & Language Conventions

Grades 9 and 10

1.3 Demonstrate an understanding of proper English usage and control of grammar, paragraph and sentence structure, diction, and syntax.
✓ Write a short dictation sentence.
1.4 Produce legible work that shows accurate spelling and correct use of the conventions of punctuation and capitalization.
✓ Spell simple high-frequency words.

Writing

Grades 9 and 10

1.2 Use precise language, action verbs, sensory details, appropriate modifiers, and the active rather than the passive voice.
✓ Use precise language, action verbs, and sensory details.

Listening and Speaking

Grades 9 and 10

1.1 Formulate judgments about the ideas under discussion and support those judgments with convincing evidence.
✓ Provide information supporting an idea under discussion.
2.1 Deliver narrative presentations.
✓ Use describing words to describe a picture.
2.3 Apply appropriate interviewing techniques.
✓ Ask relevant questions.

✓ Add and subtract whole numbers with sums up to 100.
✓ Multiply single-digit numbers using a calculator.

Measurement and Geometry

Grade 3

1.1 Choose the appropriate tools and units (metric and U.S.) and estimate and measure the length, liquid volume, and weight/mass of given objects.
✓ Measure the liquid volume of a given quantity (i.e., 1/4 cup, 1/2 cup, and 1 cup).

✓ Know that the excretory system removes waste from the body.
9b Students know how the nervous system mediates communication between different parts of the body and the body's interactions with the environment.
✓ Know that sensory organs (e.g., by allowing for touch, taste, smell, hearing,) provide information about the environment (e.g. temperature, light, and sound).

Physiology (Infection and Immunity)

10 a Students know the role of the skin in providing nonspecific defenses against infection.
✓ Know that the skin protects the body from infections.
10c Students know how vaccination protects an individual from infectious disease.
✓ Know that vaccination protects an individual from infectious disease.

Physics

1c Students know how to apply the law F=ma to solve one-dimensional motion problems that involve constant forces (Newton's second law).
✓ Know that the greater the mass of an object, the more force is needed to achieve the same rate of change in motion.
1e Students know the relationship between the universal law of gravitation and the effect of gravity on an object at the surface of Earth.
✓ Know that gravity is a force that acts on an object on Earth.

Chemistry

1b Students know how to use the periodic table to identify metals, semimetals, non-metals, and halogens.
✓ Know that elements on the periodic table are classified as metals, non-metals, and inert gases.
5d Students know how to use the pH scale and to characterize acid and base solutions.
✓ Know that the pH scale is used to identify acid and base solutions.
6c Students know temperature, pressure, and surface area affect the dissolving process.
✓ Know how stirring, temperature, and surface area of a substance can affect the dissolving process.

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California Alternate Performance Assessment (CAPA) Standards

		Earth Science 3d Students know why and how earthquakes occur and the scales used to measure their intensity and magnitude. ✓ Know the general characteristics of an earthquake. ✓ Know that earthquakes can be the result of sudden motions along breaks in the crust called faults. 3e Students know there are two kinds of volcanoes: one kind with violent eruptions producing steep slopes and the other kind with voluminous lava flows producing gentle slopes. ✓ Know the general characteristics of a volcano. **Energy in the Earth System** 6a Students know weather (in the short run) and climate (in the long run) involve the transfer of energy into and out of the atmosphere. ✓ Know the general characteristics of weather. ✓ Know the general characteristics of climate. 6b Students know the effects on climate of latitude, elevation, topography, and proximity of large bodies of water and cold or warm ocean currents. ✓ Know different kinds of natural hazards (e.g., earthquakes, volcanoes, landslides). **California Geology** 9b Students know the principal natural hazards in different California regions and the geologic basis of those hazards. ✓ Know different kinds of natural hazards (e.g., earthquakes, volcanoes, landslides). **Investigation and Experimentation** 1a Select and use appropriate tools and technology (such as computer-linked probes, spreadsheets, and graphing calculators) to perform tests, collect data, analyze relationships, and display data. ✓ Select and use appropriate tools and technology (e.g., calculators, balances, magnifying lens, binoculars) to perform tests. ✓ Collect, display, and analyze data. 1c Identify possible reasons for inconsistent results, such as sources of error or uncontrolled conditions. ✓ Identify possible sources of error in an experiment. 1f Distinguish between hypothesis and theory as scientific terms. ✓ Form a simple hypothesis based on observations. 1 h Read and interpret topographic and geologic maps. ✓ Interpret scale models, maps, and diagrams.

✓ = Performance indicator for standard on the California Alternate Performance Assessment (CAPA)