Kindergarten - California Power Standards

Language Arts

I can read the words in a book in the right order
I can understand that words have spaces between them
I can name all of my upper and lower case letters in the alphabet
I can count and divide words into syllables
I can find and say the beginning, middle and last sound in simple words.
I can say the most common sound for each consonant in the alphabet.
I can read common sight words
I can ask and answer questions about important details in stories

INFORMATIONAL TEXT

I can ask and answer questions about important details in nonfiction books.

WRITING

I can draw or write to help me share what I think
I can draw or write to help me explain about a topic
I can draw or write to tell an organized story about something

SPEAKING & LISTENING

I can ask and answer a question about what I have heard
LANGUAGE

I can print many upper and lowercase letters
I can use capital letters correctly at the beginning of a sentence and for the word "I"
I can find and name punctuation at the end of a sentence
I can use what I know about letters and sounds to spell easy words.
I can sort things into groups and use the names of the groups to help me understand them better (shapes, foods).

Kindergarten - California Power Standards

Mathematics

COUNTING AND CARDINALITY

I can count by ones and tens to 100
I can write numbers from 0 to 20
I can write a number to tell about a group of 0 to 20 things
I can count up to 20 to tell how many things are in a group
I can count out a group of things when someone gives me a number from 1 to 20

NUMBER AND OPERATIONS IN BASE TEN

I can make and take apart numbers from 11 to 19 by telling how many tens and ones are in the number.
I can show how many tens and ones in a numbers from 11 to 19 by drawing a picture or writing a number sentence

OPERATIONS AND ALGEBRAIC THINKING

I can use objects or drawings to show that I can solve addition word problems up to 10.
I can use objects or drawings to show that I can solve subtraction word problems up to 10.
I can add numbers fluently within 5
I can subtract numbers fluently within 5

MEASUREMENT AND DATA

I can compare two things that are measured using the same tool by using words like longer and shorter.

GEOMETRY
I can name 2D and 3D shapes no matter how big they are or which way they are turned.

TK - Power Standards
Language Arts & Math

I can listen to stories read aloud.
I can respond to storires read aloud.
I can retell familiar stories,
I can identify lower and uppercase letters.
I can recognize 10 or more letter sounds.
I can count syllables.
I can identify beginning sounds.

I can count rote to 30.
I can demonstrate 1 to 1 corresponence
to 10.
I can subtize quanties to 5 or more.
I can identify 2D shapes: circle, square, rectangle, triangle.
I can sort using sttibutes: size, color, shape

Physical Development

I can hold writing tools correctly.
I can write my first name.
I can use scissors correctly.
I can cut on a line.

1st Grade Power Standards - Language Arts & Mathematics

I can hear and spell consonant letters that are blended together to make words.
I can read words with short vowel sounds (CVC).
I can read words with long vowel sounds (silent e or vowel teams).
I can read first grade sight words.
I can read first grade books fluently.

LITERATURE

I can retell a story I know using important details and show that I know what the author is trying to teach me.
I can ask and answer questions about important details in 3 nonfiction books.

WRITING

I can write my opinion about a topic and give reasons for my thinking.
I can write to teach about a topic by giving facts about it.
I can write to tell an organized story with details.

I can use singular and plural nouns with matching verbs in my sentences.
I can use capital letters in dates and also when I write people's names.
I can use the right punctuation at the ends of my sentences.
I can use sight words and spelling patterns I have learned to write words correctly.

NUMBER AND OPERATIONS IN BASE TEN

I can read and write my numbers to show how many objects are in a group (up to 120).
I can tell how many tens and how many ones are in a number.

OPERATIONS AND ALGEBRAIC THINKING

I can solve word problems where I have to add 3 whole numbers. I can use different strategies for addition to solve word problems within 20.
I can use different strategies for subtraction word problems within 20.
I can add facts fluently within 20.
I can subtract facts fluently within 20.

MEASUREMENT AND DATA

I can order three objects by length

2nd Grade Power Standards Language Arts & Mathematics

I can show what I have learned about letters and sounds by figuring out words.

I can understand 2nd grade texts read aloud to me.

I can read second grade books aloud fluently.

I can ask and answer who, what, where, when, why and how questions to show that I understand stories.

I can read and understand second grade stories by myself.

I can ask and answer who, what, where, when, why and how questions to show that I understand nonfiction.

I can read and understand second grade nonfiction by myself.

I can write my opinion about a topic and give reasons for my thinking.

I can write to teach about a topic by giving facts and definitions about the topic.

I can write to tell an organized story with details about events, thoughts and feelings.

I can show that I know how to write sentences correctly.
I can use capital letters when necessary.

I can use commas appropriately in my writing.

I can use sight words and spelling patterns I have learned to write words correctly.

2nd Grade Power Standards Mathematics

I can count to 1,000 by 1s, 5s, 10s and 100s.

I can compare three-digit numbers using <, =, and > because I understand hundreds, tens and ones.

I can recognize place value in the 1s, 10s and 100s place.

I can use strategies to add numbers within 1,000 and know when to regroup.

I can use strategies to subtract numbers within 1,000 and know when to borrow.

I can use strategies to solve addition and subtraction word problems.

I can fluently add within 20 using mental strategies.

I can measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, metersticks, and measuring tapes.

3rd Grade Power Standards Language Arts

I can read and understand third grade text.

I can read third grade books aloud fluently.

I can ask and answer questions to show that I understand the stories that I am reading.

I can ask and answer questions to show that I understand the information that I am reading.

I can compare and contrast the most important ideas and details in two pieces of information about the same topic.

I can write to share my opinion and give reasons to support that opinion.

I can write to inform and explain ideas to others clearly.

I can write organized stories that have lots of details.

I can plan, revise, edit, rewrite or try a new approach in my writing with the help of peers and adults.

I can show that I know how to use words correctly when I write and speak.

I can show that I know how to write sentences correctly.

I can use sight words and spelling patterns I have learned to write words correctly.

3rd Grade Power Standards Mathematics

I can use place value to help me round numbers to the nearest 10 or 100.

I can quickly and easily add and subtract numbers within 1000.

I can multiply any one digit whole number by a multiple of 10.

I can understand multiplication by thinking about groups of objects.

I can understand division by thinking about how one group can be divided into smaller groups.

I can use what I know about multiplication and division to solve word problems.

I can multiply within 100 easily and quickly.

I can divide within 100 easily and quickly because I know how multiplication and division are related.

I can find the area of a rectangle using what I know about addition and multiplication.

I can show and understand that fractions represent equal parts of a whole, where the top number is the part and the bottom number is the total number of parts in the whole.

I can label fractions on a number line because I know the space between any two numbers on the number line can be thought of as a whole.

I can use strategies to find the perimeter of shapes.

I can use strategies to find the area of shapes.

4th Grade Power Standards Language Arts

I can read and understand fourth grade text, which includes informational and literature.

I can read fourth grade books aloud fluently.

I can accurately quote from a text by referring to details and examples to describe a character, setting or event in the story.

I can compare and contrast different stories by thinking about the points of view from which they are told.

I can tell the difference between first - and third - person narrative.

I can accurately quote from the text to show my understanding of a piece of informational text by referring to details and examples.

I can use information from two different informational texts on the same topic to help me write or speak with knowledge about the topic.

I can write to share my opinion on topics or texts and provide reasons and information to support my opinion.

I can write an informative text that introduces my topic and then groups related information together in paragraphs or sections.

I can write stories with detailed descriptions and a clear sequence.

I can plan, revise and edit my writing with the help of peers and adults.

I can find new information from books or technology to help me with my research.

4th Grade Power Standards Mathematics

I can read and write larger whole numbers using numerals, words and in expanded form.

I can compare multi-digit numbers by using what I know about place value.

I can compare multi-digit numbers and use the symbols > = and < to show the comparison.

I can multiply a whole number up to four digits by a one-digit whole number.

I can multiply two two-digit numbers.

I can find whole-number quotients and remainders.

I can use what I know about addition and subtraction to solve multiple step word problems involving whole numbers.

I can use what I know about multiplication and division to solve multiple step word problems involving whole numbers.

I can add and subtract mixed numbers with like denominators.

I can solve word problems involving addition and subtraction of like denominators.

I can use what I know about area and perimeter to solve real world problems involving rectangles.

5th Grade Power Standards Language Arts

I can read and understand fifth grade text, which includes informational and literature.

I can read fifth grade text aloud fluently.

I can accurately quote from a text to support inferences that I make.

I can accurately quote from informational text to support inferences that I have made.

I can write to share my opinion and provide reasons to support that opinion.

I can write to clearly inform others with use of a variety of informational texts.

I can write stories with detailed descriptions, clear sequence, and dialogue.

I can summarize or paraphrase information in my work.

5th Grade Power Standards Mathematics

I can read and write decimals to thousandths using base-ten numbers, number names and expanded form.

I can compare two decimals to thousandths using the >, =, and < symbols correctly.

I can divide four-digit numbers (dividends) by two-digit numbers (divisors).

I can multiply multi-digit numbers using the standard algorithm.

I can write and figure out number sentences that have parentheses, brackets or braces.

I can add and subtract fractions with unlike denominators.

I can multiply and divide fractions.

I can use addition, subtraction, multiplication and division of fractions to solve problems involving information presented on a line plot.

I can represent ordered pairs and real-world problems by graphing points in the first quadrant of a coordinate plane.

I can identify geometric figures according to their properties.

6th Grade Power Standards Language Arts

I can refer to the text to support my thoughts and draw inference about a piece of literature.

I can use details from the text to determine the theme or message of a story.

I can give a summary of the story without adding my opinions or judgments.

I can figure out the deeper meanings of words and phrases as they are used in a story.

I can refer to the text to support my thoughts and draw inferences about a piece of informational text.

I can use details from the text to determine the central idea of a piece of informational text.

I can figure out the meanings of words and phrases in a piece of informational text by thinking about how they are used.

I can compare and contrast one author's presentation of events with that of another author's presentation of the same events.

I can write arguments and use clear reasons and relevant evidence to support my claims.

I can write organized and informative pieces, with relevant content, to explore a topic and express ideas, concepts and information.

I can write narrative stories with good technique, appropriate detailed descriptions and logical sequences.

6th Grade Power Standards Mathematics

I can explain what a ratio represents.

I can solve unit rate problems including those involving unit pricing and constant speed. For example, if it took 7 hours to mow lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?

I can divide fractions by fractions.

I can solve real world problems involving dividing fractions.

I can easily divide multi-digit numbers.

I can easily add, subtract, multiply and divide multi-digit numbers involving decimals.

I can find the greatest common factor of two whole numbers less than or equal to 100.

I can find the least common multiple of two whole numbers less than or equal to 12.

I can understand that positive and negative numbers are used to describe amounts having opposite values.

I can write and figure out numerical expressions that have whole number exponents.

I can write, read and figure out expressions in which letters stand for numbers.

I can use order of operations to solve problems

I can put together and take apart shapes to help me find the area of right triangles, other triangles, special quadrilaterals, and polygons

I can use formulas to solve problems.

7th Grade Power Standards Mathematics

Ratios and Proportional Relationships

Compute Unit Rates: Calculate unit rates associated with ratios of fractions (e.g., measuring speed or cost).

Proportions: Recognize and represent proportional relationships by identifying the constant of proportionality in tables, graphs, equations, and diagrams.
Multistep Percent Problems: Solve problems involving tax, tips, markups, markdowns, and simple interest.

The Number System

Rational Numbers: Add, subtract, multiply, and divide rational numbers (integers, fractions, and decimals), explicitly using number lines and properties of operations.

Convert Fractions and Decimals: Convert rational numbers into terminating or repeating decimals using long division.

Expressions and Equations

Simplify Expressions: Apply properties of operations (like the distributive property) to add, subtract, factor, and expand linear expressions with rational coefficients.

Multi-Step Equations & Inequalities: Solve real-life and mathematical problems using numerical and algebraic equations
(e.g., $px + q = r$) and inequalities, verifying answers.)

Geometry

Scale Drawings: Compute actual lengths and areas from a scale drawing and reproduce a scale drawing at a different scale.
Surface Area & Volume: Solve real-world problems involving area, volume, and surface area of 2D and 3D objects (including cylinders and composite shapes).

Statistics and Probability

Probability Models: Develop and use uniform probability models to find the probability of chance events, and compare theoretical probabilities to observed frequencies.
Data Sampling: Use random sampling to draw inferences about a population.

7th Grade Power Standards Language Arts

Reading

Cite Textual Evidence: Determine central ideas, analyze structural elements, and cite multiple specific examples of textual evidence to support both literary (RL) and informational (RI) text analysis.

Determine Meaning: Analyze how figurative language (e.g., similes, metaphors, analogies) and word choice impact tone and meaning within a text.

Compare Mediums: Compare and contrast the experience of reading a text versus watching or listening to an audio/video version of it.

Writing

Write Arguments: Support claims with clear, logical reasoning and relevant evidence. Students must introduce claims, acknowledge counterarguments, and maintain a formal style.

Informative/Explanatory Texts: Examine and convey complex ideas through the effective selection, organization, and analysis of relevant content.

Write Narratives: Develop real or imagined experiences or events using effective technique, descriptive details, and well-structured event sequences (e.g., clear pacing and dialogue).

Speaking and Listening

Collaborative Discussions: Engage effectively in collaborative discussions (one-on-one, in groups, and teacher-led) by properly preparing, posing questions, and modifying personal views based on new evidence.

Language

Conventions & Grammar: Demonstrate a command of standard English grammar and usage when writing or speaking. This includes using verbs in the active and passive voice and the conditional and subjunctive moods.

Vocabulary: Acquire and accurately use grade-appropriate, general academic, and domain-specific vocabulary.

8th Grade Power Standards Mathematics

Expressions and Equations

Integer Exponents: Students know and apply the rules of exponents to generate equivalent numerical expressions (e.g., $3^2 \times 3^{-5} = 3^{-3}$).

Scientific Notation: Use scientific notation to estimate very large or very small quantities and perform operations with numbers expressed in scientific notation.

Solve Linear Equations: Solve multi-step linear equations in one variable, including those that require expanding expressions using the distributive property.

Systems of Equations: Analyze and solve pairs of simultaneous linear equations (systems of linear equations) algebraically and by graphing.

Functions

Understand Functions: Understand that a function is a rule that assigns exactly one output to each input, and determine whether a relationship is a function.

Linear Functions: Compare properties of two functions represented in different ways (algebraically, graphically, numerically, or verbally). Interpret the equation $y=mx+b$ as defining a linear function.

Geometry

Transformations: Understand and describe the effects of transformations (rotations, reflections, translations, and dilations) on two-dimensional figures using coordinates.

The Pythagorean Theorem: Explain and apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world problems and in two or three dimensions, as well as find the distance between two points in a coordinate system.

Statistics and Probability

Bivariate Data & Scatter Plots: Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association. Fit a straight line to data (line of best fit) and informally assess the model's fit.

Two-Way Tables: Understand and interpret relative frequencies in two-way tables to describe possible associations between two categorical variables.

8th Grade Power Standards Language Arts

Reading: Literature & Informational Text

Cite Strong Evidence
Students must cite the textual evidence that most strongly supports their analysis of what the text says, including explicit details and deep inferences.

Theme and Central Idea
Determine a text's central idea or theme, analyze its development over the course of the text, and provide an objective summary.

Evaluating Arguments
Trace and evaluate the specific claims in an informational text, assessing whether the reasoning is sound and the evidence is relevant and sufficient.

Writing

Argumentative Writing
Write clear, logical arguments to support claims using valid reasoning and relevant evidence, while fairly developing and addressing opposing counterclaims.

Informative/Explanatory Writing
Write essays to examine and convey complex ideas and information clearly through the effective selection, organization, and analysis of content.

Research and Evidence
Draw evidence from literary or informational texts to support analysis, reflection, and research.

Conventions of Standard English
Demonstrate command of the conventions of standard English grammar and usage when writing or speaking, including using proper punctuation and spelling.

Figurative Language and Nuance
Interpret figures of speech (e.g., verbal irony, puns), understand word relationships, and distinguish among the nuances and connotations of similar words.

Speaking and Listening / Collaborative Discussions
Engage effectively in collaborative discussions, building on others' ideas, expressing their own clearly, and probing with relevant evidence.

9th Grade Power Standards Language Arts & Mathematics

- **Reading Literature & Informational Text:**
  - **RI.9-10.1 / RL.9-10.1:** Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
  - **RL.9-10.4:** Determine the meaning of words and phrases as they are used in the text, including figurative and connotative meanings; analyze the cumulative impact of specific word choices on meaning and tone.
  - **RI.9-10.6:** Determine an author's point of view or purpose in a text and analyze how an author uses rhetoric to advance that point of view or purpose.
- **Writing:**
  - **W.9-10.1:** Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
  - **W.9-10.2:** Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
- **Language & Conventions:**
  - **L.9-10.1:** Demonstrate command of the conventions of standard English grammar and usage when writing or speaking, particularly using parallel structure.
  -

📐 Mathematics (Algebra 1 / Integrated Math I)

Because high schools generally track into either Traditional (Algebra 1) or Integrated (Math I) pathways, districts draw from these overlapping essential domains: [1]

- **Seeing Structure in Expressions (A-SSE):** Interpret the structure of expressions and write expressions in equivalent forms to solve problems.
- **Creating Equations (A-CED):** Create equations and inequalities in one variable and use them to solve problems. Include equations arising from linear and quadratic functions.
- **Reasoning with Equations & Inequalities (A-REI):** Understand solving equations as a process of reasoning, solve linear equations and inequalities in one variable, and solve systems of equations.
- **Interpreting Functions (F-IF):** Understand the concept of a function, use function notation, and interpret expressions for functions that model a context (linear, exponential, and quadratic).

9th Grade Power Standards Science

🔬 **Science (Next Generation Science Standards - NGSS)**

Most California 9th graders take **Biology/Living Earth** or **Earth and Space Sciences** arranged under three-dimensional learning. Priority focus is given to Science and Engineering Practices

- **HS-LS1-1:** Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins, which carry out the essential functions of life through systems of specialized cells.
- **HS-LS2-4:** Use a mathematical model to share data and quantify the cellular respiration and flow of energy/matter through trophic levels in an ecosystem.
- **Developing & Using Models:** Developing, verifying, and revising student-driven models to predict abstract phenomena.

10th Grade Power Standards Language Arts & Mathematics

English Language Arts (CA CCSS ELA)

Tenth-grade ELA focuses heavily on deep textual analysis, evidence-based writing, and advanced command of language structure.

- **Reading Informational Text & Literature (RI.9-10.1 / RL.9-10.1): Cite strong and thorough textual evidence** to support analysis of what the text says explicitly as well as inferences drawn from the text.
- **Reading Informational Text (RI.9-10.6): Determine an author's point of view** or purpose in a text and analyze how an author uses rhetoric to advance that point of view.
- **Writing (W.9-10.1 & W.9-10.2):** Write **argumentative and informative/explanatory texts** that introduce clear claims, use valid reasoning, and supply extended, well-mapped evidence.
- **Language (L.9-10.1):** Demonstrate command of standard English grammar and usage, specifically mastering **parallel structure** in writing and speaking.

Mathematics (Common Core High School / Integrated Math)

Depending on whether a school uses a traditional or integrated pathway, typical 10th-grade students take **Geometry** or **Integrated Math II**.

- **Creating Equations (A-CED.1 & A-CED.2): Create equations and inequalities** in one or more variables to describe relationships between quantities and graph them on coordinate axes.
- **Similarity & Right Triangles (G-SRT.2 & G-SRT.6):** Given two triangles, use the definition of **similarity in terms of similarity transformations** to decide if they are similar; understand that side ratios in right triangles are properties of the angles (leading to definitions of trigonometric ratios).
- **Linear, Quadratic, & Exponential Models (F-LE.1): Distinguish between situations that can be modeled with linear functions** and those that require exponential or quadratic functions.

10th Grade Power Standards History & Science

History-Social Science (World History)

The 10th-grade social science framework in California centers strictly on **World History, Culture, and Geography: The Modern World**.

- **Western Political Thought (HSS-10.1):** Relate the moral and ethical principles in **ancient Greek, Roman, and Judeo-Christian philosophy** to the development of Western political thought and the rule of law.
- **Democratic Revolutions (HSS-10.2):** Compare and contrast the **Glorious, American, and French Revolutions** and their enduring global effects on self-government and individual liberty.
- **World Wars & Totalitarianism (HSS-10.5 & HSS-10.8):** Analyze the causes, turning points, and human consequences of **World War I and World War II**.
- **The Cold War Era (HSS-10.9):** Analyze international developments in the post–World War II world, focusing on the **ideological and geopolitical struggle of the Cold War**.

Science (Next Generation Science Standards - NGSS)

Tenth graders typically take **Chemistry**, **Earth and Space Sciences**, or an integrated **Living Earth** course.

- **Structure and Properties of Matter (HS-PS1-1):** Use the periodic table as a model to **predict the relative properties of elements** based on the patterns of electrons in the outermost energy levels.
- **Chemical Reactions (HS-PS1-7):** Use mathematical representations to support the claim that **atoms, and therefore mass, are conserved during a chemical reaction** (mastering stoichiometry and the law of conservation of mass).

11th & 12th Grade Power Standards History & Language Arts

History–Social Science (U.S. History and Geography)

- **Foundations & Industrialization:** Covers the nation's philosophical roots, the Constitution, the Civil War, Reconstruction, and the rise of industrial power.
- **20th Century Conflicts:** Spans the Gilded Age through the World Wars and the Cold War.
- **Civil Rights:** Examines federal civil rights developments, key rulings, activism, and leadership.

- **Principles of American Democracy (Civics):** Analyze foundational democratic principles, the U.S. Constitution, the three branches of government, landmark Supreme Court decisions, the Federalist Papers, and the rights and civic obligations of citizens.
- **Economics (Often paired in 12th grade):** Understand fundamental economic concepts, microeconomics, macroeconomics, and international economic principles.

English Language Arts (Grades 11–12)

- **Reading & Analysis:** Focuses on textual evidence, thematic analysis, and evaluating foundational historical documents.
- **Writing & Language:** Emphasizes argumentative and informative writing, research projects, and contextual vocabulary application.

- **Reading (Literature & Informational Text):** Analyze complex texts, determine figurative and connotative meanings, evaluate author's tone and word choices, and cite strong textual evidence.
- **Writing:** Produce arguments, informative/explanatory texts, and narratives with clear focus, proper structure, and research integration.
- **Speaking & Listening:** Initiate and participate effectively in a range of collaborative discussions and evaluate a speaker’s point of view and reasoning.
- **Language:** Demonstrate command of standard English grammar, usage, and vocabulary acquisition in complex contexts.

11th & 12th Grade Power Standards Math & Science

Math

- **Courses Vary:** California does not enforce a single 12th-grade math course; students typically enroll in **Precalculus**, **Calculus**, **Statistics**, or **Quantitative Reasoning**.
- **Key Focus Areas:** Functions (polynomial, rational, trigonometric), number and quantity, algebra, modeling, and probability/statistics.

Science

High school **science** standards span grades 9–12, focusing on engineering design, physical sciences, life sciences, and Earth/space sciences through integrated coursework or specialized AP/IB classes