



Grade-Level Benchmarks

Fourth Grade

Student Success Skills

LEARNER MINDSETS (ATTITUDES & BELIEFS)

Motivation

- participates in class actively and appropriately
- shows initiative
- asks questions
- is a self-starter and asks for the resources that support learning

Persistence

- tries their best every day
- pushes through hard things and doesn't give up easily
- understands that mistakes are learning opportunities

Reflection

- through ongoing reflection, sees their strengths and areas for growth
- receives feedback from others to improve the quality of their work
- gives helpful, kind, and specific feedback to help others

WORK HABITS (BEHAVIORS)

Craftsmanship

- takes pride in their work and always tries their best
- creates original work that is neat and reflects their best effort
- makes revisions to make their work better

Reliability

- manages their time and materials to complete learning activities within the designated time frame
- comes to class prepared
- listens and follows directions
- turns in assignments on time

Self-Regulation

- remains focused and engaged in learning
- manages emotions and accepts responsibility for personal actions
- adapts to changes in routines and transitions throughout the day

RESPONSIBILITIES AS A COMMUNITY MEMBER (VALUES)

Caring for the Community

- actively contributes to the community and shows care for the environment and others
- shows empathy, kindness, and concern for others
- follows classroom rules and procedures

Collaboration

- works well with classmates and teachers
- works to solve problems in positive ways when working in groups

Valuing Diversity

- treats others with respect
- listens to and respects others' opinions and beliefs

LITERACY: READING

Comprehension

- listens to and discusses texts of different genres, including fiction, expository nonfiction, biographies, persuasive nonfiction, plays, web pages, and videos
- explore, read, and discuss websites
- uses comprehension strategies such as questioning, making text-to-self connections, visualizing, making inferences, summarizing, determining importance, and synthesizing
- makes and confirms predictions
- make, record, and discuss inferences
- discusses story elements (character, setting, plot, and challenges or problems)
- discusses important events and the character/subject's traits and motivations
- discusses character change
- develops an understanding of genre
- discusses lessons, messages, or themes of stories read
- chooses appropriate good-fit texts for independent reading
- uses self-monitoring and "fix-up" strategies while reading or exploring websites
- reads independently, focusing on self-monitoring, making connections, making inferences, using text features, summarizing, author's purpose, fluency, and generating independent thinking
- uses and discusses text features
- uses a Venn diagram
- discusses, writes, and shares about text read independently
- determines, distinguishes, and discusses important ideas, main ideas, and supporting details
- discusses nonfiction text organization (description/compare and contrast, problems and solutions, and cause and effect)
- discusses the structure of a fiction text
- discusses the structure of persuasive texts and ways authors persuade, signal words, and facts and opinions
- discusses features of plays (character, setting, plot, story structure, story elements, and the role of the narrator_ and the point of view of the play
- notices and thinks about dialogue, character, and setting
- generates independent thinking
- writes a shared summary of a book and an article
- synthesizes information about a topic and writes about it
- uses thinking tools with text read independently
- summarizes important events and themes in the text and writes a summary
- identifies, discusses, writes about, and shares what they know and what they learned about a topic
- discusses and writes about the subject of a biography, the subject's traits, and the theme
- reviews the story arc and discusses the structure of a biography
- records notes to use for creating an outline for a biography
- identifies and discusses figurative language in parts of a text
- compares two texts on the same topic
- learns, practices, and engages in the procedure for "Written Conversations"
- writes about a reading strategy
- compares two types of biographical texts
- discusses, writes about, and shares a biography
- identifies opinions and reasons in texts

- writes about, shares, and discusses opinions about a text-specific topic
- discusses audience and author's purpose
- compares and contrasts ideas in two persuasive nonfiction texts
- writes introductions, reasons, evidence, and conclusions for book recommendations

Accuracy & Fluency

- voraciously reads
- reads appropriate-level texts that are a good fit
- rereads text
- adjusts and applies different reading rates to match text
- reads with attention to phrasing, punctuation, and the character's feelings
- uses punctuation to enhance phrasing and prosody (end marks, commas, etc.)
- reads text as the author would say it, conveying the meaning or feeling
- looks carefully at letters and words
- cross-checks (does it look right, sound right, make sense)
- chunks letters and sounds together - morphemes
- practices reading aloud and following a script
- write notes about reading fluently
- perform a dramatic reading of a play

Expanding Vocabulary

- tunes into interesting words and uses new vocabulary when speaking and writing
- uses prior knowledge and context to predict and confirm meaning
- uses pictures, illustrations, and diagrams
- uses word parts to determine the meaning of words (prefixes, suffixes, origins, abbreviations, etc.)
- asks someone to define the word for them

LITERACY: WRITING

The Writing Community

- builds a caring community and gets to know one another
- gets ideas for writing from read-alouds
- drafts many pieces in a variety of genres

The Writing Process

- selects drafts to develop and publish
- rereads drafts critically
- types and revises drafts
- discusses using precise words and replaces imprecise words
- becomes familiar with the proofreading checklist
- learns how to use spell-check
- proofreads for spelling, misused words, capitalization, complete sentences, sentence fragments, and run-on sentences
- writes final versions and publishes

Personal Narrative

- writes about a single, interesting event from the students' own lives
- uses prepositional phrases, temporal words and phrases, and relative pronouns
- explores strong opening sentences and endings that draw a story's events to a close
- confers with pairs and revises drafts based on feedback
- proofreads drafts for spelling, misused words, capitalization, complete sentences, sentence fragments, run-on sentences, and pronoun-noun agreement
- publishes a personal narrative

Expository Nonfiction

- with a partner, researches and writes a report about an invention
- explores expository text features to include in reports (e.g. illustrations, captions, table of contents)
- confers in groups and revises drafts based on feedback
- uses research questions to guide research
- searches for and evaluates web pages
- creates shared research documents
- reads web pages about identified topic and takes notes
- organizes notes
- drafts and then organizes subtopic sections by sequence and description
- discusses paragraphing
- explores strong introductions and conclusions
- analyzes and revises drafts for imprecise language, interest, clarity, and completeness
- proofreads drafts for spelling, misused words, capitalization, complete sentences, sentence fragments, and run-on sentences
- transfers proofread drafts to slides and adds images
- publishes an expository nonfiction piece of writing

Poetry

- listens to, discusses, compares, and drafts poems
- discusses characteristics of poetry, including similes, personification, meaning metaphor, specific rules, precise verbs, alliteration, rhyme, form, sensory details, repetition and variation, message, and direct address
- incorporates sensory details into poetry writing
- explores features of collages
- confers with peers about their poetry writing
- reflects on creativity
- rereads drafts critically
- revises and proofreads drafts
- explores and discusses features of performance
- performs published poem and shares completed collages

Opinion Writing

- identifies audience and purpose for opinion writing
- learns the structure of a persuasive essay and the reasons in the body paragraphs
- learns the difference between formal and informal language
- creates concept maps
- discusses paragraphing
- writes clear statements of opinion supported by reasons
- analyzes and revises drafts to include reasons, facts, details, and precise words
- uses transitional words and phrases
- proofreads drafts for spelling, misused words, capitalization, complete sentences, sentence fragments, and run-on sentences
- revises drafts for correct paragraphing
- publishes an opinion essay

Revisiting the Writing Community

- reflects on growth as writers and as community members
- plans summer writing

Conventions

- incorporates proper spacing between words, lines, margins, and indentations to show paragraphs
- applies high-frequency words consistently within writing
- uses capitalization rules correctly to capitalize the beginning of the sentence, names, titles, days, months, book titles, dialogue, and other proper nouns
- punctuates endings of sentences using periods, question marks, and exclamation points
- uses commas correctly to punctuate items in a series, greetings and closings of letters, dates, and introductory words
- uses apostrophes to punctuate contractions and possessives
- identifies capitalization, punctuation, spelling, and grammar mistakes, and makes corrections

LITERACY: WORD STUDY & MORPHOLOGY

High-Frequency Words

- reads and spells high-frequency words consistently

Spelling Patterns and Word Structure

- learns about etymology and morphemes
- reviews the meanings of negative prefixes (*un-*, *dis-*, *im-*, *in-*, *il-*, *ir-*, and *non-*) and the suffixes *-y* and *-ous*
- discusses limitations of using word parts as clues to a word's meaning
- analyzes words to determine whether a letter or group of letters at the beginning or end of a word is an affix
- discusses words and the multiple meanings of words
- learns, reads, discusses, and analyzes words with the suffixes *-able*, *-ible*, *-en*, *-ion*, *-ation*, *-ic*, *-al*, *-ity*,
- learns, reads, discusses, and analyzes words with the prefixes *ex-*, and *de-*, *trans-*, *sub-*, *super-*, *auto-*, *multi-*, *mid-*, *semi-*,
- reads and discusses words with affixes
- sorts words by base word, suffix, and spelling
- generates and categorizes nouns that relate to adjectives ending in *-y*, *-ous*, *-en*, *-able*, *-ic*, and *-al*
- discusses and uses features of print and online dictionaries and thesauruses
- starts a word collection
- reviews, reads, discusses, and creates word webs for words with the roots *tele*, *photo*, *graph*, *port*, *aud*, *phon*, *tract*, *bio*, *mot/mob*, *vis/vid*, *fac*, *spec*, *scope*,
- learns about open, closed, and common syllables
- reads polysyllabic words, including words with affixes
- learns about schwa and stressed and unstressed syllables
- learns about word families and morphemic transformation
- divides words into syllables
- discusses, sketch, and relate words to synonyms and antonyms, and use them in sentences
- orders words along a semantic gradient
- reviews spelling changes when adding suffixes to base words
- uses the guided spelling procedure
- learns about, reads, and discusses homophones
- learns about figurative language, including similes, metaphors, and idioms
- uses writing, sketching, and drawing to demonstrate understanding of learned vocabulary

Word-Solving Actions

- uses strategic actions by combining multiple sources of information (recognizing base words, noticing patterns, syllabication, and making connections)

LISTENING AND SPEAKING

- comprehends while listening
- expresses oneself clearly
- participates in discussions

MATHEMATICS

Operations and Algebraic Thinking

- interprets a multiplication equation as a comparison and represents verbal statements of multiplicative comparisons as multiplication equations
- multiplies or divides to solve word problems involving multiplicative comparison by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison
- solves multi-step word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted.
 - represents these problems using equations with a letter standing for the unknown quantity.
 - assesses the reasonableness of answers using mental computation and estimation strategies, including rounding
- finds all factor pairs for a whole number in the range 1-100
 - recognizes that a whole number is a multiple of each of its factors
 - determines whether a given whole number in the range 1-100 is a multiple of a given one-digit number
 - determines whether a given whole number in the range 1-100 is prime or composite
- generates a number or shape pattern that follows a given rule
 - identifies apparent features of the pattern that were not explicit in the rule itself

Number and Operations in Base Ten

- recognizes the relationship between digits in whole numbers
- reads, writes, and identifies place value in numbers
- reads and writes numbers in expanded form, written form, and standard form
- compares and orders multi-digit whole numbers
- records multi-digit whole number comparisons using $>$, $=$, or $<$
- uses place-value understanding to round whole numbers to any place
- adds multi-digit whole numbers fluently using the standard algorithm
- subtracts multi-digit whole numbers fluently using the standard algorithm
- multiplies a whole number of up to four digits by a one-digit number and
- multiplies a two-digit number by a two-digit number
- multiplies a whole number by a multiple of 10, 100, or 1,000
- illustrates and explains multiplication strategies and calculations

- divides a whole number of up to four digits by a one-digit whole number
- illustrates and explains division strategies and calculations
- justifies the conclusions of decimal comparisons

Number and Operations in Base Ten

- recognizes that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right
- read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.
 - compares two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons
- uses place value understanding to round multi-digit whole numbers to any place
- fluently adds and subtracts multi-digit whole numbers, with sums less than or equal to 1,000,000, using the standard algorithm
- multiplies a whole number of up to four digits by a one-digit whole number, and multiplies two two-digit numbers, using strategies based on place value and the properties of operations
 - illustrates and explains the calculator by using equations, rectangular arrays, and/or area models
- finds whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division
 - illustrates and explains the calculator by using equations, rectangular arrays, and/or area models

Number and Operations: Fractions

- explains why a fraction a/b is equivalent to a fraction $(n \times a)/(n \times b)$ by using visual fraction models, with attention to how the number and size of the parts differ even though the two fractions themselves are the same size
 - uses this principle to recognize and generate equivalent fractions
- compares two fractions with different numerators and different denominators by creating common denominators or numerators, or by comparing to benchmark fractions such as $\frac{1}{2}$
 - recognizes that comparisons are valid only when the two fractions refer to the same whole
 - records the results of comparisons with symbols $>$, $=$, or $<$ and justifies the conclusions
- understands a fraction a/b with $a > 1$ as a sum of fractions $1/b$
 - understands addition and subtraction of fractions as joining and separating parts referring to the same whole
 - decomposes a fraction into a sum of fractions with the same denominator in more than one way, recording each decomposition by an equation
 - justifies decompositions
 - adds and subtracts mixed numbers with like denominators
 - solves word problems involving addition and subtraction of fractions referring to the same whole and having like denominators
- multiplies a fraction by a whole number
 - understands a fraction a/b as a multiple of $1/b$
 - understands a multiple of a/b as a multiple of $1/b$ and uses this understanding to multiply a fraction by a whole number
 - solves word problems involving multiplication of a fraction by a whole number

- ❑ expresses a fraction with denominator 10 as an equivalent fraction with denominator 100, and uses this technique to add two fractions with respective denominators 10 and 100
- ❑ uses decimal notation for fractions with denominators 10 or 100
- ❑ compares two decimals to hundredths by reasoning about their size
 - ❑ recognizes that comparisons are valid only when the two decimals refer to the same whole
 - ❑ records the results of comparisons with the symbols $>$, $=$, or $<$, and justifies the conclusions

Measurement and Data

- ❑ knows relative sizes of measurement units within one system of units, including: ft, in; km, m, cm; kg, g; lb, oz; l, ml; hr, min, sec
 - ❑ within a single system of measurement, expresses measurements in a larger unit in terms of a smaller unit
 - ❑ records measurement equivalents in a two-column table
- ❑ uses the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving whole numbers and/or simple fractions and problems that require expressing measurements given in a larger unit in terms of a smaller unit
 - ❑ represents measurement quantities using diagrams such as number line diagrams that feature a measurement scale
- ❑ applies the area and perimeter formulas for rectangles in real-world and mathematical problems
- ❑ makes a line plot to display a data set of measurements in fractions of a unit
 - ❑ solves problems involving addition and subtraction of fractions by using information presented in line plots
- ❑ recognizes angles as geometric shapes that are formed wherever two rays share a common endpoint, and understands concepts of angle measurement
 - ❑ understands that an angle is measured with reference to a circle with its center at the common endpoint of the rays, by considering the fraction of the circular arc between the points where the two rays intersect the circle
 - ❑ understands that an angle that turns through $\frac{1}{360}$ of a circle is called a “one-degree angle,” and can be used to measure angles
 - ❑ understands that an angle that turns through n one-degree angles is said to have an angle measure of n degrees
- ❑ measures angles in whole-number degrees using a protractor
 - ❑ sketches angles of specified measure
- ❑ recognizes angle measures as additive
 - ❑ understands that when an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of angle measures of the parts
 - ❑ solves addition and subtraction problems to find unknown angles on a diagram in real-world and mathematical problems

Geometry

- ❑ draws points, lines, line segments, rays, angles, and perpendicular and parallel lines
 - ❑ identifies these in two-dimensional figures
- ❑ classifies two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size
 - ❑ recognizes right triangles as a category, and identifies right triangles

- recognizes a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts
 - identifies line-symmetric figures and draws lines of symmetry

Problem Solving and Perseverance

- makes sense of the problem
- checks whether the answer makes sense

Model with Mathematics

- models real-world situations using graphs, drawings, tables, symbols, numbers, diagrams, and other representations

SOCIAL STUDIES

- identifies and uses intermediate directions on a compass rose to locate places on a map
- locates lines of latitude and longitude on a map, including the equator and the prime meridian
- compares information found on different maps of Nevada
- identifies national resources found in Nevada
- locates Nevada's earliest inhabitants, known as the Desert Archaic people
- identifies Nevada's Native American cultures
- identifies the early explorers and settlers of Nevada and their importance in Nevada's history
- describes the experiences of pioneers moving west
- conducts independent research through print and Internet reference sources
- takes accurate and factual notes that can be used for research
- critically thinks and discusses the impact of specific individuals on our world
- describes the challenges pioneers had regarding meeting basic needs for survival
- describes the long-term impact of the Westward Expansion on the lives of the Native Americans
- gives examples and describes the importance of cultural diversity within and across groups

TECHNOLOGY

Empowered Learner

- selects appropriate technology tools to achieve learning goals
- seeks feedback from both people and features embedded in digital tools, and uses age-appropriate technology to share learning
- explores age-appropriate technologies to begin to transfer their learning to different tools or learning environments

Digital Citizenship

- demonstrates an understanding of the role an online identity plays in the digital world and learns

- the permanence of their decisions when interacting online
- practices safe, legal, and ethical behavior when using technology and interacting online
- demonstrates respect for intellectual property with both print and digital media when using and sharing the work of others.
- demonstrates an understanding of what personal data is, how to keep it private, and how it might be shared online

Global Collaborator

- uses digital tools to work with friends and people from different backgrounds or cultures
- uses collaborative technologies to connect with others, including peers, experts, and community members, to explore different points of view on various topics
- performs a variety of roles within a team using age-appropriate technology to complete a project or solve a problem
- works with others using collaborative technologies to explore local and global issues