



Grade-Level Benchmarks Fourth Grade

CHARACTERISTICS OF SUCCESSFUL LEARNERS

Learning Habits

- participates actively and appropriately
- shows initiative and is a self-directed learner
- demonstrates self-confidence
- willingly takes on challenges and remains engaged until solutions are found
- remains focused, attentive, and engaged in lessons
- sets and reflects upon goals

Work Habits

- demonstrates neatness, thoughtfulness, and pride in work
- works independently and uses time wisely
- works cooperatively with others
- completes and turns in assignments on time
- organizes space and returns materials
- produces original work

Responsibility as a Community Member

- manages emotions and accepts responsibility for own actions
- manages transitions and adapts to changes in routine
- demonstrates courtesy, cooperation, and respect toward peers and adults
- listens and follows directions
- seeks positive solutions to problems and conflicts
- follows classroom rules and routines
- displays kindness and concern for others
- raises hand before sharing in class discussions
- uses classroom materials with purpose and respect

LITERACY: READING

Comprehension

- checks for understanding
- backs up and rereads
- uses prior knowledge to connect with text
- makes and adjusts predictions; uses text to confirm
- infers and supports with evidence
- makes a picture or mental image
- self-monitors and uses fix-up strategies
- asks questions throughout the reading process
- uses text features (titles, headings, captions, graphic features)
- summarizes text, including the sequence of main events
- uses main ideas and supporting details to determine importance
- determines and analyzes the author's purpose
- recognizes literary elements (plot, character, setting, problem/solution, theme)
- compares and contrasts within and between text

Accuracy & Fluency

- voraciously reads
- reads appropriate-level texts that are a good fit
- rereads text
- adjusts and applies different reading rates to match text
- 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
- skips the word, then comes back

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
- revises drafts
- proofreads for spelling conventions
- writes final versions and publishes

Personal Narrative

- writes about personal events from the students' own lives
- uses sensory details
- uses transitional words and phrases
- explores strong opening sentences and endings that draw a story's events to a close
- publishes a personal narrative

Expository Nonfiction

- researches and writes a report
- explores expository text features to include in reports (e.g. author, biography sections, tables of contents)
- takes research notes and organizes them by topic
- cites resources used
- publishes an expository nonfiction piece of writing

Opinion Writing

- identifies audience and purpose for opinion writing
- writes clear statements of opinion supported by reasons
- add facts and details to reasons
- explores strong openings and conclusions that restate the opinion
- cites resources used
- 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 punctuation 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

Letter/Sound Relationships

- recognizes and uses vowel sounds in open and closed syllables
- recognizes and uses letters that represent long and short vowels
- understands that a consonant can represent different sounds alone and in clusters

Spelling Patterns/Word Structure

- identifies and uses a variety of phonograms
- uses short vowel patterns that are found in multi-syllable words
- notices and uses frequently-appearing syllable patterns
- uses suffixes (s, ed, ing, er, est) to change word endings
- uses words with prefixes and suffixes correctly

High-Frequency Words

- reads and spells high-frequency words consistently

Word Meaning

- identifies and uses the different parts of speech to include nouns, verbs, adjectives, adverbs, pronouns, interjections, conjunctions, and prepositions
- identifies and uses compound words, synonyms, antonyms, homophones, homographs, possessives, and contractions correctly
- identifies and uses multiple-meaning words correctly
- uses the comparative and superlative forms of adjectives

LISTENING AND SPEAKING

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

MATHEMATICS

Operations and Algebraic Thinking

- interprets a multiplication equation as a multiplicative comparison and represents statements of multiplicative comparison as equations
- solves number stories involving multiplicative comparisons
- solves multi-step number stories involving the four operations, interpreting any remainders
- models number stories with equations, using a letter for the unknown
- assesses the reasonableness of answers to number stories and other problems
- finds all factor pairs for a whole number in the 1-100 range
- determines whether a whole number is a multiple of a given one-digit number
- identifies prime and composite numbers less than 100
- generates a number or shape pattern that follows a given rule
- identifies features of a pattern that were not explicit in the rule

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: Fractions

- explains fraction equivalence
- recognizes and generates equivalent fractions
- compares and orders fractions with different numerators and different denominators
- records fraction comparisons using $>$, $=$ or $<$
- represents decimals to hundredths
- translates between decimal notation and fractions with denominators 10 or 100
- compares and orders decimals
- justifies the conclusions of fraction comparisons
- understands adding and subtracting fractions as joining separating parts of the same whole
- adds and subtracts fractions with like denominators
- solves number stories involving addition and subtraction of fractions with like denominators

- decomposes fractions and mixed numbers, and represents the decomposition with an equation
- justifies the decomposition of fractions
- adds and subtracts mixed numbers with like denominators
- multiplies a fraction by a whole number
- solves number stories involving multiplication of a fraction by a whole number
- adds two fractions with denominators of 10 and 100
- accurately names numbers containing decimals
- records decimal comparisons using $>$, $=$ or $<$
- justifies the conclusions of decimal comparisons

Measurement and Data

- knows relative sizes of measurement units and expresses measurements in a larger unit in terms of a smaller unit
- solves number stories involving whole numbers of measured quantities
- applies perimeter formulas for rectangles
- applies area formula for rectangles
- organizes and represents data on line plots
- adds or subtracts fractions to solve problems involving data on line plots
- recognizes and describes angle measure as the amount of a rotation
- recognizes $1/360$ rotation of a circle (one degree) as a unit to measure angles
- recognizes a measure of an angle as the number of one-degree angles through which it turns
- measures angles in whole-number degrees using a protractor
- sketches angles of a specified measure
- adds and subtracts to solve problems about unknown angles on a diagram

Geometry

- draws, represents, and identifies points, lines, line segments, and rays
- draws, represents, and identifies perpendicular and parallel lines
- classifies two-dimensional figures based on line segments or angles
- recognizes right triangles as a category and identifies right triangles
- recognizes that a line of symmetry divides a figure into two matching parts
- identifies 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 references sources
- takes accurate and factual notes that can be used for research
- critically thinks and discusses the impact of certain individuals on our world
- describes challenges pioneers had in regard to 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