

Fifth Grade Standards

Second Quarter

English / Language Arts

RL.5.3	Compare and contrast two or more characters, settings , or events in a story or drama , drawing on specific details in the text.
RL.5.4	Determine the meaning of words and phrases as they are used in a text, recognizing specific word choices that contribute to meaning and tone .
RL.5.10 / RI.5.10	By the end of grade 5, read and understand literature and informational text at the high end of the 4-5 text complexity band proficiently and independently for sustained periods of time. Connect prior knowledge and experiences to text.
RI.5.3	Explain the relationships or interactions between two or more individuals, events , ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.
RI.5.4	Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.
RF.5.5	Read with sufficient accuracy and fluency to support comprehension. a. Read on-level text with purpose and understanding. b. Read on-level prose and poetry orally with accuracy, appropriate rate, and expression on successive readings. c. Use context to confirm or self-correct word recognition and understanding, re-reading as necessary.
W.5.2	Write informative /explanatory texts to examine a topic and convey ideas and information clearly.
W.5.3	Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.
W.5.4	With some guidance and support from adults, use digital tools and resources to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of word processing skills.
L.5.1	Demonstrate command of the conventions of standard English grammar and usage when writing or speaking
L.5.2	Demonstrate command of the conventions of standard English capitalization, punctuation , and spelling when writing
L.5.4	Determine and/or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies: context clues , word parts, word relationships , and reference materials .
L.5.5	Demonstrate understanding of figurative language and nuances in word meanings. a. Interpret figurative language, including similes and metaphors, in context. b. Recognize and explain the meaning of common idioms, adages, and proverbs .
L.5.6	Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases , including those that signal contrast, addition, and other logical relationships.

Mathematics

NC.5.MD.2	Represent and interpret data. <ul style="list-style-type: none">• Collect data by asking a question that yields data that changes over time.• Make and interpret a representation of data using a line graph.• Determine whether a survey question will yield categorical or numerical data, or data that changes over time.
NC.5.OA.2	Write, explain, and evaluate numerical expressions involving the four operations to solve up to two-step problems. Include expressions involving: <ul style="list-style-type: none">• Parentheses, using the order of operations.• Commutative, associative and distributive properties.
NC.5.NBT.1	Explain the patterns in the place value system from one million to the thousandths place. <ul style="list-style-type: none">• Explain that in a multi-digit number, a digit in one place represents 10 times as much as it represents in the place to its right and $\frac{1}{10}$ of what it represents in the place to its left.• Explain patterns in products and quotients when numbers are multiplied by 1,000, 100, 10, 0.1, and 0.01 and/or divided by 10 and 100.
NC.5.NBT.3	Read, write, and compare decimals to thousandths. <ul style="list-style-type: none">• Write decimals using base-ten numerals, number names, and expanded form.• Compare two decimals to thousandths based on the value of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.
NC.5.NBT.7	Compute and solve real-world problems with multi-digit whole numbers and decimal numbers.
NC.5.NF.3	Use fractions to model and solve division problems. <ul style="list-style-type: none">• Interpret a fraction as an equal sharing• Interpret a fraction as the division of the numerator by the denominator.• Solve one-step word problems involving division of whole numbers leading to answers in the form of fractions and mixed numbers
NC.5.NF.1	Add and subtract fractions, including mixed numbers, with unlike denominators using related fractions: halves, fourths and eighths; thirds, sixths, and twelfths; fifths, tenths, and hundredths.
NC.5.NF.4	Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction, including mixed numbers. <ul style="list-style-type: none">• Use area and length models to multiply two fractions, with the denominators 2, 3, 4.• Explain why multiplying a given number by a fraction greater than 1 results in a product greater than the given number and when multiplying a given number by a fraction less than 1 results in a product smaller than the given number.• Solve one-step word problems involving multiplication of fractions using models to develop the algorithm.
NC.5.NF.7	Solve one-step word problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions using area and length models, and equations to represent the problem.

Science

5.E.1.1	Compare daily and seasonal changes in weather conditions (including wind speed and direction, precipitation, and temperature) and patterns.
5.E.1.2	Predict upcoming weather events from weather data collected through observation and measurements.
5.E.1.3	Explain how global patterns such as the jet stream and water currents influence local weather in measurable terms such as temperature, wind direction and speed, and precipitation.