

# Fifth Grade Standards

## First Quarter

### English / Language Arts

<b>RL.5.1 / RI.5.1</b>	Quote accurately from a text when explaining what the text says <b>explicitly</b> and when drawing <b>inferences</b> from the text.
<b>RL.5.2</b>	Determine a <b>theme</b> of a story, <b>drama</b> , or <b>poem</b> from details in the text, including how characters in a story or drama respond to challenges or how the speaker in a poem reflects upon a <b>topic</b> ;
<b>RL.5.10 / RI.5.10</b>	By the end of grade 5, read and understand literature at the high end of the 4-5 <b>text complexity band proficiently</b> and <b>independently</b> for sustained periods of time. Connect prior knowledge and experiences to text.
<b>RI.5.2</b>	Determine two or more <b>main ideas</b> of a text and explain how they are supported by <b>key details</b> ; <b>summarize</b> the text.
<b>RI.5.7</b>	Draw on information from multiple print or <b>digital sources</b> , demonstrating the ability to locate an answer to a question or to solve a problem efficiently.
<b>RF.5.2</b>	Create readable documents through legible handwriting (cursive).
<b>RF.5.4</b>	Know and apply grade-level phonics and word <b>analysis</b> skills in decoding words. a. Use combined knowledge of all letter-sound correspondences, <b>syllabication</b> patterns, and <b>morphology</b> to read accurately unfamiliar <b>multisyllabic</b> words in context and out of context.
<b>RF.5.5</b>	Read with sufficient accuracy and <b>fluency</b> to support comprehension. a. Read on-level text with purpose and understanding. b. Read on-level <b>prose</b> and poetry orally with accuracy, appropriate rate, and <b>expression</b> on successive readings. c. Use context to confirm or <b>self-correct</b> word recognition and understanding, re-reading as necessary.
<b>W.5.1</b>	Write opinion pieces on topics or texts, supporting a <b>point of view</b> with <b>reasons</b> and information.
<b>W.5.3</b>	Write narratives to develop real or imagined experiences or <b>events</b> using effective technique, descriptive details, and clear event sequences.
<b>W.5.6</b>	Recall relevant information from experiences or gather relevant information from print and <b>digital sources</b> ; summarize or <b>paraphrase</b> information in notes and finished work and provide a list of sources.
<b>L.5.1</b>	Demonstrate command of the <b>conventions of standard English grammar</b> and <b>usage</b> when writing or speaking
<b>L.5.2</b>	Demonstrate command of the <b>conventions of standard English</b> capitalization, <b>punctuation</b> , and spelling when writing
<b>L.5.6</b>	Acquire and use accurately grade- appropriate <b>general academic</b> and <b>domain-specific words and phrases</b> , including those that signal contrast, addition, and other logical relationships.

## Mathematics

<b>NC.5.MD.2</b>	Represent and interpret data. <ul style="list-style-type: none"><li>• Collect data by asking a question that yields data that changes over time.</li><li>• Make and interpret a representation of data using a line graph.</li><li>• Determine whether a survey question will yield categorical or numerical data, or data that changes over time.</li></ul>
<b>NC.5.MD.4</b>	Recognize volume as an attribute of solid figures and measure volume by counting unit cubes, using cubic centimeter, cubic inches, cubic feet, and improvised units.
<b>NC.5.MD.5</b>	Relate volume to the operations of multiplication and addition. <ul style="list-style-type: none"><li>• Find the volume of a rectangular prism with whole-number side lengths by packing it with unit cubes and show that the volume is the same as would be found by multiplying the edge lengths.</li><li>• Build understanding of the volume formula for rectangular prisms with whole-number edge lengths in the context of solving problems.</li><li>• Find volume of solid figures with one-digit dimensions composed of two non-overlapping rectangular prisms.</li></ul>
<b>NC.5.G.1</b>	Graph points in the first quadrant of a coordinate plane and identify and interpret the x and y coordinates to solve problems.
<b>NC.5.OA.2</b>	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"><li>• Parentheses, using the order of operations.</li><li>• Commutative, associative and distributive properties.</li></ul>
<b>NC.5.OA.3</b>	Generate two numerical patterns using two given rules. <ul style="list-style-type: none"><li>• Identify apparent relationships between corresponding terms.</li><li>• Form ordered pairs consisting of corresponding terms from the two patterns.</li><li>• Graph the ordered pairs on a coordinate plane.</li></ul>
<b>NC.5.NBT.5</b>	Demonstrate fluency with the multiplication of two whole numbers up to a three-digit number by a two-digit number using the standard algorithm.
<b>NC.5.NBT.6</b>	Find quotients with remainders when dividing whole numbers with up to four-digit dividends and two-digit divisors using rectangular arrays, area models, repeated subtraction, partial quotients, and/or the relationship between multiplication and division. Use models to make connections and develop the algorithm.
<b>NC.5.NF.3</b>	Use fractions to model and solve division problems. <ul style="list-style-type: none"><li>• Interpret a fraction as an equal sharing</li><li>• Interpret a fraction as the division of the numerator by the denominator.</li><li>• Solve one-step word problems involving division of whole numbers leading to answers in the form of fractions and mixed numbers</li></ul>

## Science

<b>5.P.3.1</b>	Explain the effects of the transfer of heat (either by direct contact or at a distance) that occurs between objects at different temperatures. (conduction, convection or radiation).
<b>5.P.3.2</b>	Explain how heating and cooling affect some materials and how this relates to their purpose and practical applications .
<b>5.P.2.1</b>	Explain how the sun's energy impacts the processes of the water cycle (including, evaporation, transpiration, condensation, precipitation and runoff).
<b>5.P.2.2</b>	Compare the weight of an object to the sum of the weight of its parts before and after an interaction.
<b>5.P.2.3</b>	Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.