Fourth Grade Standards

Fourth Quarter

English / Language Arts	
RL.4.9	**Compare and contrast** the use of similar **themes** and **topics** and patterns of **events** in stories, **myths**, and traditional literature from different cultures.
RI.4.9	Integrate information from two texts on the same **topic** in order to write or speak about the subject knowledgeably.
W.4.4	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.
W.4.5	Conduct short research projects that build knowledge through investigation of different aspects of a **topic**.
W.4.6	Recall relevant information from experiences or gather relevant information from print and **digital sources**; take notes and categorize information and provide a list of sources.
L.4.2	Demonstrate command of the **conventions of standard English** capitalization, **punctuation**, and spelling when writing

Mathematics	
NC.4.MD.1	Know relative sizes of measurement units. Solve problems involving metric measurement. • Measure to solve problems involving metric units: centimeter, meter, gram, kilogram, Liter, milliliter. • Add, subtract, multiply, and divide to solve one-step word problems involving whole-number measurements of length, mass, and capacity that are given in metric units.
NC.4.MD.2	Represent and interpret data using whole numbers. • Collect data by asking a question that yields numerical data. • Make a representation of data and interpret data in a frequency table, scaled bar graph, and/or line plot. • Determine whether a survey question will yield categorical or numerical data.
NC.4.MD.6	Develop an understanding of angles and angle measurement. • Understand angles as geometric shapes that are formed wherever two rays share a common endpoint and are measured in degrees. • Measure and sketch angles in whole-number degrees using a protractor. • Solve addition and subtraction problems to find unknown angles on a diagram in real-world and mathematical problems.
NC.4.MD.8	Solve word problems involving addition and subtraction of time intervals that cross the hour.
NC.4.OA.5	Generate and analyze a number or shape pattern that follows a given rule.
NC.4.G.1	Draw and identify points, lines, line segments, rays, angles, and perpendicular and parallel lines.
NC.4.G.2	Classify quadrilaterals and triangles based on angle measure, side lengths, and the presence or absence of parallel or perpendicular lines.

Mathematics (Cont.)	
NC.4.G.3	Recognize symmetry in a two-dimensional figure and identify and draw lines of symmetry.
NC.4.NF.6	Use decimal notation to represent fractions. • Express, model and explain the equivalence between fractions with denominators of 10 and 100. • Use equivalent fractions to add two fractions with denominators of 10 or 100. • Represent tenths and hundredths with models, making connections between fractions and decimals.
NC.4.NF.7	Compare two decimals to hundredths by reasoning about their size using area and length models and recording the results of comparisons with the symbols >, =, or <. Recognize that comparisons are valid only when the two decimals refer to the same whole.

Science	
4.L.1.1	Give examples of changes in an organism's environment that are beneficial to it and some that are harmful
4.L.1.2	Explain how animals meet their needs by using behaviors in response to information received from the environment
4.L.1.3	Explain how humans can adapt their behavior to live in changing habitats (e.g., recycling wastes, establishing rain gardens, planting trees and shrubs to prevent flooding and erosion)
4.L.1.4	Explain how differences among animals of the same population sometimes give individuals an advantage in surviving and reproducing in changing habitats