

**Fourth Grade: What Will They Learn?**  
**Reading and Math**  
**(This list is not all inclusive.)**

**READING**

- ✚ Apply more complex phonics skills to reading passages.
- ✚ Use structural analysis to recognize words - prefixes, suffixes, endings
- ✚ Demonstrate vocabulary knowledge by using synonyms (giant, huge) and antonyms (hot, cold) and context clues
- ✚ Use comprehension skills in reading including but not limited to:
  - Skimming passages
  - Summarizing passages
  - Comparing and contrasting
  - Drawing conclusions
  - Reading fluently
  - Using self monitoring
  - Sequencing of events
  - Using text features
  - Identifying cause and effect
  - Making generalizations
- ✚ Identify literary elements (character, plot, setting, details, similes, author's purpose, main idea).
- ✚ Compose descriptive texts using a main idea and three supporting details.
- ✚ Apply mechanics in writing including correct punctuation and capitalization – commas, quotations, and apostrophes.
- ✚ Demonstrate correct use of nouns, verbs, pronouns, adjectives, and adverbs.

**MATH**

- ✚ Use the four operations (+, -, x, ÷) with whole numbers to solve problems.
  - Solve multistep word problems including problems with remainders
- ✚ Gain familiarity with factors and multiples.
  - Find factor pairs, determine multiples, determine prime or composite numbers

- ✚ Generate and analyze patterns
- ✚ Understand place value and properties of operations to perform multi-digit arithmetic.
  - Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.
  - Compare two multi-digit numbers using  $<$ ,  $>$ , and  $=$  symbols to record answers.
  - Use place values to round.
  - Fluently add and subtract multi-digit whole numbers.
  - Multiply a whole number of up to four digits by a one-digit number, and multiply two two-digit numbers.
  - Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.
- ✚ Extend understanding of fraction equivalence and ordering
  - Compare fractions with different denominators and numerators.
  - Understand addition and subtraction; decompose a fraction into a sum of fractions  
Example –  $5/8 = 1/8 + 1/8 + 1/8 + 1/8 + 1/8$ ;  $5/8 = 3/8 + 1/8 + 1/8$ , etc
  - Add and subtract mixed numbers with like denominators.
  - Solve word problems involving addition and subtraction of fractions.
- ✚ Understand decimal notation for fractions, and compare decimal fractions.  
Example: rewrite 0.54 as  $\frac{54}{100}$   
Compare two decimals to hundredths by reasoning. Use the symbols  $<$ ,  $>$ , and  $=$ .
- ✚ Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money including problems with fractions and decimals.
- ✚ Use the area and perimeter formulas.
- ✚ Represent and interpret data using line plots.
- ✚ Understand concepts of angle and measure angles.
- ✚ Understand the history and geography of their state.