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: \( \frac{5}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}; \frac{5}{8} = \frac{3}{8} + \frac{1}{8} + \frac{1}{8}, \text{ etc} \)
- 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.