

# Kid and Parent Friendly Content Standards for English Language Arts and Mathematics

## Fourth Grade English Language Arts Standards

### READING

#### 1.0 Word Analysis, Fluency, Vocabulary

Development, Word Recognition

- \_\_\_\_\_ Read grade level text fluently.
- \_\_\_\_\_ Use word origins for word meaning.
- \_\_\_\_\_ Use root words for word meaning.
- \_\_\_\_\_ Use Greek/Latin affixes for meaning.
- \_\_\_\_\_ Use thesaurus for related words.
- \_\_\_\_\_ Interpret words/multiple meanings.

#### 2.0 Reading Comprehension

- \_\_\_\_\_ Use structural patterns in text.
- \_\_\_\_\_ Use strategies when reading.
- \_\_\_\_\_ Make predictions about text.
- \_\_\_\_\_ Evaluate information and hypotheses.
- \_\_\_\_\_ Compare/contrast information.
- \_\_\_\_\_ Use cause/effect, fact/opinion.
- \_\_\_\_\_ Follow multi-step instructions.

#### 3.0 Literary Response and Analysis

- \_\_\_\_\_ Describe structural differences.
- \_\_\_\_\_ Identify story elements.
- \_\_\_\_\_ Identify causes/characters' actions.
- \_\_\_\_\_ Compare/contrast tales.
- \_\_\_\_\_ Define figurative language.

### WRITING

#### 1.0 Writing Strategies

- \_\_\_\_\_ Write with focus, structure, etc.
- \_\_\_\_\_ Write multi-paragraph essay.
- \_\_\_\_\_ Write to convey information.
- \_\_\_\_\_ Write legibly in cursive.
- \_\_\_\_\_ Paraphrase information sources.
- \_\_\_\_\_ Locate information in texts.
- \_\_\_\_\_ Use various reference materials.
- \_\_\_\_\_ Know organization of reference materials.
- \_\_\_\_\_ Demonstrate basic keyboarding skills.
- \_\_\_\_\_ Edit and revise text.

#### 2.0 Writing Applications

- \_\_\_\_\_ Write narratives.
- \_\_\_\_\_ Write responses to literature.
- \_\_\_\_\_ Write informational reports.
- \_\_\_\_\_ Write summaries.

### WRITTEN AND ORAL LANGUAGE CONVENTIONS

#### 1.0 Sentence Structure, Grammar, Punctuation, Capitalization, Spelling

- \_\_\_\_\_ Use simple and compound sentences.
- \_\_\_\_\_ Combine short and related sentences.
- \_\_\_\_\_ Use regular and irregular verbs.
- \_\_\_\_\_ Write quotations correctly.
- \_\_\_\_\_ Write titles correctly.
- \_\_\_\_\_ Capitalize proper nouns.
- \_\_\_\_\_ Spell roots, inflections, etc.

### LISTENING AND SPEAKING STRATEGIES

#### 1.0 Comprehension, Organization/Delivery of Oral Communication, Speaking Applications

- \_\_\_\_\_ Ask thoughtful questions, etc.
- \_\_\_\_\_ Summarize major ideas.
- \_\_\_\_\_ Identify how language reflects regions.
- \_\_\_\_\_ Give directions and instructions.
- \_\_\_\_\_ Use introductions and conclusions.
- \_\_\_\_\_ Use structures to convey information.
- \_\_\_\_\_ Emphasize points logically.
- \_\_\_\_\_ Use details, examples, etc., to clarify.
- \_\_\_\_\_ Use volume, etc., appropriately.
- \_\_\_\_\_ Evaluate the role of media.
- \_\_\_\_\_ Make narrative presentations.
- \_\_\_\_\_ Make informational presentations.
- \_\_\_\_\_ Deliver oral summaries.
- \_\_\_\_\_ Recite brief poems.

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# Kid and Parent Friendly Content Standards for English Language Arts and Mathematics

## Fourth Grade Mathematics Standards

### NUMBER SENSE

#### 1.0 Place Value

- Read and write numbers to millions.
- Order whole numbers and two place decimals.
- Round numbers to nearest 100,000.
- Decide when a rounded solution is good.
- Divide a whole number by a whole number.
- Write 10ths/100ths in decimals and fractions.
- Write a fraction from a drawing of its parts.
- Use concepts of negative numbers.
- Show fractions on a number line.

#### 2.0 Computation—Decimals

- Add and subtract whole numbers and two-place decimals.
- Round two-place decimals.

#### 3.0 Computation—Whole Numbers

- Add and subtract multi-digit numbers.
- Multiply by two digits/divide by one digit.
- Multiply multi-digits by two digit numbers.
- Divide multi-digits by one digit number.

#### 4.0 Factoring

- Factor whole numbers.
- Certain numbers do not have factors.

### ALGEBRA AND FUNCTIONS

#### 1.0 Number Sentences/Expressions

- Use letters and symbols to represent numbers.
- Understand math expressions that use parentheses.
- Use parentheses to show order of operations.
- Use and interpret formulas.
- Know equations are prescriptions to find a number.

#### 2.0 Manipulate Equations

- Know equals added to equals are equal.
- Know equals multiplied by equals are equal.

### MEASUREMENT AND GEOMETRY

#### 1.0 Area and Perimeter

- Measure area of rectangular shapes.
- Compare rectangles with same area.
- Know that rectangles with same perimeter can have different areas.
- Know and use formulas for perimeter and area.

#### 2.0 Coordinate Grids

- Draw points on a graph ( $y=3x$ )
- Understand horizontal line on graph.
- Understand vertical line on graph.

#### 3.0 Geometry

- Identify parallel and perpendicular lines.
- Identify radius and diameter of a circle.
- Identify congruent figures.
- Identify bilateral and rotational symmetry
- Know right, acute, and obtuse angles.
- Describe and make models of geometric solids.
- Know definitions and attributes of triangles.
- Know definitions of quadrilaterals.

### STATISTICS, DATA ANALYSIS, AND PROBABILITY

#### 1.0 Data Analysis

- Collect and represent data.
- Identify mode and medium of data sets.
- Interpret 1 & 2 variable data graph.

#### 2.0 Making Predictions

- State outcomes of probability situations.
- Express outcomes of probability experiments.

### MATHEMATICAL REASONING

#### 1.0 Make Decisions about a Problem

- Identify relationships in problems.
- Know when and how to break apart problems.

#### 2.0 Solve Problems/Justify Reasoning

- Use estimations to verify results.
- Apply strategies to complex problems.
- Use methods to explain math reasoning.
- Express solutions clearly.
- Know advantage of exact or approximate results.
- Make precise calculations and verify result.

#### 3.0 Make Connections

- Evaluate reasonableness of a result.
- Note methods of deriving solution.
- Develop generalization of the result.