

Content Standards for English Language Arts and Mathematics
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Fourth Grade English Language Arts Standards

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.
- ___ Evaluate the role of media.
- ___ Make narrative presentations.
- ___ Make informational presentations.
- ___ Deliver oral summaries.
- ___ Recite brief poems.

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.