

## Fourth Grade Language Arts

### Vocabulary:

- \*Determine the meaning of a word by using the text around the word.
- \*Understand new words by using the meanings of prefixes, suffixes and root words.
- \*Use knowledge of synonyms (words with similar meanings), antonyms (words with opposite meanings) and idioms (words or phrases that mean something different: ex. homework is a piece of cake=homework is easy) and multiple meaning words.
- \*Use appropriate resources (dictionary, thesaurus, etc.) to determine the meanings and pronunciations of unknown words.

### Fluency:

- \*Read regularly with fluency, accuracy, appropriate rate, change in voice, and expression. (A typical fourth grade reader reads approximately 95 words per minute.)

### Comprehension/Critical Literacy:

- \*Use independent pre-reading strategies.
- \*Read and comprehend a variety of texts.
- \*Explain the differences in fiction and non-fiction.
- \*Use prior knowledge to make inferences (or predictions) and draw conclusions.
- \*Summarize information (retell in sequence) and make generalizations.
- \*Test hypotheses (educated guesses); compare and contrast information; identify fact/opinion and cause/effect; analyze and explain causes, motivations, sequences, and results.
- \*Predict, monitor and cross-check one's own reading. If confused, reread.

### Literature:

- \*Understand and appreciate various forms of literature
- \*Identify main events, purpose of text, and themes.
- \*Use knowledge of the situation, setting, character's traits, motivations and feeling to determine causes for that character's actions.
- \*Identify figurative language and sound devices in writing:  
Simile: a comparison that uses like or as  
Metaphor: an implied comparison

Hyperbole: an exaggeration for effect

Personification: a description that represents a thing as a person.

### Research and Information:

- \*Locate, organize and select the best source for a given purpose from a variety of sources.
- \*Document information properly.
- \*Identify a research question; locate, organize and correlate information.
- \*Report findings of research in a variety of formats.

### Writing Process:

- \*Express ideas effectively through a variety of ways and for different purposes. Examples: sentences, paragraphs, stories, poems and letters.

### Grammar/Usage and Mechanics:

- \*Demonstrate appropriate practices in writing by applying standard English rules. Examples: nouns, pronouns, verbs, adjectives, adverbs, conjunctions, capitalization, indentation, margins, parenthesis, quotation marks, commas, colons, sentence structure and spelling rules.

### Listening:

- \*Listen carefully and respond appropriately.

### Speaking:

- \*Speak clearly and in a tone loud enough to be understood by the class when making oral presentations. Examples; book reports, stories, etc.

### Group Interaction:

- \*Show respect for others in communication.

### Visual Literacy:

- \*Gather information, evaluate and compose visual messages. Ex: maps, charts, movies, posters, written stories, etc.

**\*denotes essential end-of-year skill**

## Fourth Grade Mathematics

### Number Sense:

- \*Know place value through 6 digits.  
Ex. 999,999
- \*Read, write and compare whole numbers through 6 digits. Ex. compare 789 with 123
- \*Read, write and use decimal numbers to the hundredths' place.
- \*Order whole numbers and decimals to the hundredths' place. Ex. 7, 7.24, 2.25, 7.3, 8
- \*Place fractions and decimals on a number line.

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0              1     1.5     2     2.5

### Number Operations and Computation:

- \*Estimate the product (answer) of 2 and 3 digit numbers. Ex.  $232 \times 49$  ;  $200 \times 50 = 10,000$
- \*Find the product (answer) of 2 and 3 digit numbers.
- \*Know division facts and fact families.
- \*Estimate and find the quotient (answer) with a 1 digit divisor and a 2 or 3 digit dividend.
- \*Apply the associative property of multiplication.  $6 \times (2 \times 3) = (6 \times 2) \times 3$
- \*Apply a variety of estimation and mental math.

### Geometry and Measurement:

- \*Identify, draw and construct models of intersecting, parallel and perpendicular lines. Identify and compare angles equal to, less than or greater than 90 degrees.
- \*Solve application problems involving money, time and temperature.
- \*Know the effects of translation, flip, rotation/fold or combining shapes.
- \*Select appropriate customary and metric units of measurements.

### Data Analysis and Probability:

- \*Collect, organize and record data in tables and graphs.  
Investigate and record probabilities.
- \*Examine data displays; pose and answer questions.

## Fourth Grade Science

### Inquiry Process:

- \*Measure with the metric system.
- \*Compare, classify and arrange objects using color, shape, size, etc.

## Science, continued

- \*Experiment to discover information using safety practices.
- \*Read and create graphs.
- \*Find different ways to solve problems and share results.

### Physical Science:

- \*Effects of manipulating objects (pushing, pulling).
- \*Discover flow of electricity.

### Life Science:

- \*Study plants and animals and how they live.

### Earth Science:

- \*Learn how rocks and fossils form.

## Fourth Grade Social Studies

### Process Skills:

- \*Use research tools. Ex. encyclopedias, atlases, almanacs and computers

### Spatial Perspective:

- \*Become familiar with the regions of the US and their major geographical features.
- \*Use and understand different types of maps and globes.

### Environment and People:

- \*Understand how populations of areas changed as the country grew from east to west.

### State of Oklahoma:

- \*Learn about Oklahoma's history, government and natural resources.
- \*Understand cultural differences in people.

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