

# Curriculum Guide for Parents

## Fourth Grade

Fourth grade students use their knowledge of the four operations (addition, subtraction, multiplication, and division) to solve multi-step problems involving real world situations. They also begin to learn these operations with fractions and will continue to master those fractions concepts in fifth and sixth grade. Your student will be learning to build stamina and to read from multiple sources. Their vocabulary will increase as they read more complicated texts. They will also learn to think deeply about a text and use details about what a book says and what is implied in the text to engage in classroom discussions. By the end of fourth grade, students will be able to:

### Math

- Describe the value of each digit from the hundredths to the millions and understand the approximate size of each place
- Use addition, subtraction, multiplication and division of whole numbers to solve problems
- Understand fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers using several methods
- Classify and analyze geometric figures based on their properties such as parallel sides, perpendicular sides, particular angle measurements and symmetry

### Science

- Explain how objects can be moved
- Understand the physical properties of matter, rocks and minerals and the formation of rock
- Understand the basic forms of energy
- Explain the causes of night and day and the changing phases of the moon
- Understand fossils and the changes in the Earth's surface
- Understand that people and animals adapt to their environments in order to survive
- Understand the benefits of food, vitamins, minerals and exercise

### Social Studies

- Understand the history, economy, geography, culture, and government of NC
- Understand how NC connects to the world

### English Language Arts

- Recognize different writing genres (narrative, opinion and informative)
- Using details, facts and examples to support opinion pieces, informative/explanatory writing and narratives in written tasks
- Practice to become more effective and efficient in the writing process of planning, editing and publishing with some guidance and support from peers, adults and technology
- Will learn to independently conduct research, using and citing multiple sources
- By reading an equal amount of fiction and nonfiction, students will expand their knowledge of many subjects
- To summarize text, site specific examples, describe in depth, character, setting, and events in a story
- Explain major differences between specific genres or texts
- Across a variety of genres, determine the meaning of vocabulary and analyze text structure, key features and how the author uses facts, details, and evidence to support particular points
- Integrate and analyze information from two or more sources to evaluate a claim or an argument or to increase understanding of a topic
- In a classroom discussion or in an oral report, compare and contrast ideas and analyze evidence, giving facts and details to support particular points



**Asheboro City Schools**

*...the subject is excellence!*