

# Curriculum Guide for Parents

# Fifth Grade

Fifth grade students should have mastered whole number arithmetic and they will be using those skills to multiply and divide fractions. Algebraic patterns and relationships become more of a focus this year as a foundation for middle and high school algebra. In literacy, your students will continue to read deeply from a wide range of challenging texts from different cultures and periods in history. Students will research in order to build knowledge and will analyze the text they read in order to engage fully and thoughtfully in classroom discussions. By the end of fifth grade, students will be able to:

## Math

- Read, write, and compare numbers from .001 to 1,000,000,000.
- Perform operations such as addition, subtraction, multiplication, and division with numbers from .01 to 1,000,000,000.
- Use common denominators to add and subtract fractions with unlike denominators
- Multiply fractions and divide whole numbers by unit fractions or unit fractions by whole numbers using visual models and equations to represent the problem
- Solve problems using patterns in addition, subtraction, multiplication, and division

## Science

- Analyze force, motion, and the relationship between them
- Describe the interactions of matter and energy and the changes that occur as part of heating, cooling, and the water cycle
- Explain and compare weather patterns and phenomena, making connections to the weather in a particular place and time
- Summarize how organisms perform functions necessary for life and compare and contrast how organisms are similar to or different from the parent organism

## English Language Arts

- Research and gather evidence from multiple sources to answer questions and solve problems
- Revise and edit with peers and adults
- Produce coherent opinion, informative, and narrative pieces across subject areas and report using logical ideas, sufficient details, and formal English.
- Refer to the text to draw inferences, determine theme, summarize, and compare and contrast
- Determine how the author uses words, phrases, paragraphs, and chapters to influence the reader
- Analyze how story elements contribute to the text
- Compare and contrast stories in the same genre in their approaches to similar themes and topics
- Read and comprehend complex stories, dramas, and poetry independently and proficiently while building academic vocabulary
- Engage in classroom discussions by contributing relevant information, elaborating on what others say, and integrating previous ideas

## SOCIAL STUDIES

- Explain how the founding of the United States government and contributions of diverse groups has shaped our nation
- Assess how human activities positively and negatively affect the physical environment of the United States
- Decide how the economic growth of the United States and its economic principles affect our lives



**Asheboro City Schools**

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