

# Curriculum Guide for Parents

## Second Grade

In math this year, your second grader will be able to add and subtract two digit numbers quickly and accurately. Second graders also needs to understand what each digit means in a three digit number in order to solve addition and subtraction word problems.

Students should achieve mastery of addition and subtraction by the end of the year. In reading, second graders are learning important skills for reading, writing, speaking, and listening this year. Students practice new strategies for figuring out unknown words and they use writing as a way to practice these words and express their ideas.

By the end of second grade, students will be able to:

### Math

- Solve addition and subtraction word problems with one or two steps
- Fluently add and subtract within 20 (all facts to  $10 + 10$ )
- Understand that the three digits of a three digit number represent amounts of hundreds, tens and ones (Place Value)
- Use understanding of place value to add and subtract three-digit numbers
- Measure and estimate length in standard units
- Solve addition and subtraction word problems involving length, time and money
- Compose and decompose 2-D and 3-D shapes and analyze shapes by looking at their sides and angles

### Social Studies

- Gain understanding of important events and people in history
- Read and use maps
- Determine how people interact with their environment in positive and negative ways
- Understand basic economic concepts (Supply and Demand, Needs and Wants, Producers and Consumers, Goods and Services, Trade)
- Understand that governments work to serve community needs and create laws
- Understand how various cultures influence communities

### English Language Arts

- Ask and answer questions such as who, what, when, where, why and how to understand details in a text
- Determine the central message, lesson or moral of a story
- Use text features (i.e. captions, bold print, indexes) to locate information in a text
- Retell key information from various sources
- Determine the meaning of unknown words and phrases in a grade-level text
- Participate in shared research and writing projects
- Produce three types of writing:
  - Narrative (real or imaginative story with a clear beginning, middle and end)
  - Informational (introduce topic, provide supporting facts, concluding statement)
  - Opinion (form an opinion and defend with supporting details)
- Use speaking and listening skills to engage in collaborative conversations and present ideas and experiences

### Science

- Understand the relationship between sound and vibrating objects
- Explain the properties of solids and liquids
- Understand animal life cycles
- Understand weather patterns and factors that affect weather



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