

## ENGLISH LANGUAGE ARTS

### Reading:

- Read with accuracy and fluency to support comprehension
- Ask and answer who, what, when, where, and why questions to demonstrate understanding of key details
- Retell important events of a text in sequential order
- Discuss information and opinion on a text with both peers and adults
- Decode long and short vowel teams in one and two syllable words
- Decode with common prefixes and suffixes
- Recognize and decode grade-appropriate irregularly spelled words

### Language:

#### Grammar:

- Learn collective nouns, irregular plural nouns, reflective pronouns, past tenses and adjectives

#### Conventions:

- Learn to capitalize holidays, product names, geographic names, use commas, apostrophes and generalized learned spelling patterns
- Stretch a simple sentence into a more descriptive and detailed sentence

### Writing:

- Write an opinion piece, narrative and informative/explanatory text with topics, opinions or facts and conclusions
- Edit using capitalization, punctuation and grade appropriate spelling rules and patterns when writing
- Revise using appropriate grade level conventions that support my writing piece
- Publish and share writing pieces

### Speaking and Listening:

- Follow agreed-upon rules for classroom discussion
- Add to classroom discussion by building on others' conversations
- Produce questions and comments in complete sentences for understanding

## MATHEMATICS

### Number Sense:

- Read, write and model numbers to 999 (Ones, tens and hundreds)
- Compare two and three digit numbers using greater than and less than symbol (<,>=)and equal to
- Know the connection between addition and subtraction to solve problems
- Add and Subtract within 1000 using place value and modeling
- Skip count by 5, 10, and 100 with numbers up to 1000

### Operations and Algebraic Thinking:

- Represent and solve problems with one and two steps through 100
- Work with equal groups of objects to gain foundational skills for multiplication
- Know addition and subtraction facts through 20

### Measurement and Data:

- Measure accurately and compare using tools such as rulers, yardsticks and meter sticks
- Tell time to the nearest five minutes
- Know relationships of time (seconds in a minute, minutes in an hour, months in a year)
- Solve word problems with money amounts
- Construct and analyze line plots, pictographs and bar graphs

### Geometry:

- Recognize and draw shapes with specific sides and angles (Triangles, quadrilaterals)

- Partition circles and rectangles into equal shares and call them halves, thirds and quarters

## SCIENCE AND TECHNOLOGY

### Earth and Space Science:

- Research and compare effectiveness of multiple solutions designed to slow or prevent wind/water from changing the shape of the land
- Map shapes and types of landforms and bodies of water in an area
- Use examples from research to explain where water can be found and that it can be solid or liquid
- Observe water/wind moving earth materials and changing their shape

### Life Science:

- Habitats ~ Use models to explain how plants and animals use their surroundings to meet their needs for food, water, air and shelter
- Research, observe and compare different living things in an area and the differences of living things living in different areas

### Physical Science:

- Describe and classify different materials by color, flexibility, hardness, texture and absorbency
- Use the properties and state of matter to determine the best use of the material
- Analyze evidence to determine that cutting material into smaller pieces doesn't change its composition
- Argue with evidence that some changes to materials by heat or cooling can be reversed and others cannot
- Design and conduct an experiment to explain friction and how it acts on matter

### Technology and Engineering :

- Analyze data from tests of two objects designed to solve the same design problem to compare

the strengths and weaknesses of how each object performs

## SOCIAL STUDIES

### History and Geography:

- Use calendar to identify days, weeks, months, years, and seasons
- Use correctly words and phrases related to time (now, in the past, in the future) and causation (because, reasons)
- Explain the information that historical timelines convey and then put in chronological order events in the student's life ( the year he/she were born, started school, or moved to a new neighborhood ) or in the history of countries studied
- Read globes and maps and follow narrative accounts using them
- After reading or listening to a variety of true stories about individuals recognized for their achievements, describe and compare different ways people have achieved great distinction
- Describe how maps and globes depict geographical information in different ways
- Locate on a map of the world, all of the continents:  
North America, South America, Europe, Asia, Africa, Australia, and Antarctic
- Locate the current boundaries of the United States, Canada, and Mexico
- Locate the oceans of the world: the Artic, Atlantic, Indian, Pacific, and Southern Oceans
- Locate five major rivers in the world: Mississippi, Amazon, Volga, Yangtze, and Nile
- Locate major mountains or mountain ranges in the world such as the Andes, Alps, Himalayas, Mt. Everest, Mt. McKinley, and the rocky Mountains
- Explain the difference between a continent and a country and give examples of each

### Civics and Government:

- Define and give examples of some of the rights and responsibilities that students as citizens have in school
- Give examples of fictional characters or real people in the school or community who were good leaders and good citizen and explain the qualities that made them admirable
- Locate on a map of the world the continent, regions, or countries from which students, their parents, guardians, grandparents, or other
- Give examples of traditions or customs from other countries that can be found in America today
- Identify and describe well-known sites, events, or landmarks in at least three different countries from which the students' families come and explain why they are important

### Economics:

- Give examples of people in the school and community who are both producers and consumers
- Explain what buyers and sellers are and give examples of goods and services that are bought and sold in their community

**The purpose of this guide is to identify the major topics, concepts, and skills that are considered essential for this grade level as identified by the Massachusetts Curriculum Frameworks.**

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# CURRICULUM GUIDE GRADE 2



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