

ENGLISH LANGUAGE ARTS

Reading :

- Ask and answer questions to demonstrate understanding of a text
- Recount stories to determine the central message, lesson, or moral and explain how its conveyed
- Retell important events of a text in sequel order
- Determine the meaning of words and phrases as they are used in a text
- Distinguish their own point of view from that of the narrator or those of the characters
- Demonstrate understanding of the distinguishing features of a sentence
- Demonstrate understanding of spoken words, syllable, and sounds (phonemes)
- Read grade level text with purpose and understanding

Language:

- Use knowledge of language and its conventions when writing, speaking, reading or listening
- Determine or clarify the meaning of unknown and multiple-meaning word and phrases
- Demonstrate understanding of word relationships and nuances in word meanings

Writing:

- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences
- Write poems, descriptions, and stories in which figurative language and the sound of words are key elements
- With guidance and support develop and strengthen writing as needed by planning revising and editing

Speaking and Listening:

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

MATHEMATICS

Number and Operations in Base Ten:

- Use place value to round to tens and hundreds
- Fluently add and subtract within 1,000 using strategies based on place value, modeling and the traditional algorithm
- Multiply a single digit number by a multiple of 10 (e.g. 5×60 ; 9×80)

Number and Operations – Fractions:

- Read, model, and plot fractions on a number line
- Make fraction equivalences and compare unit fractions

Operations and Algebraic Thinking:

- Know the meaning of multiplication and division including drawing models and writing number sentences to solve problems to 100
- Use the four operations to solve problems (addition, subtraction, multiplication, and division)
- Know multiplication and division facts through 100

Measurement and Data:

- Read and write time to the nearest minute and solve problems with elapsed time
- Measure and estimate liquid volumes and masses of objects to use in the solution of problems
- Construct scaled picture graphs and bar graphs and use in the solution of problems
- Measure to the nearest $\frac{1}{4}$ of an inch and use data in line plots
- Find perimeter and area of rectangles and use in the solution of problems

Geometry:

- Name, describe and sort shapes based on their properties

SCIENCE AND TECHNOLOGY:

Earth and Space Science:

- Predict typical weather in our local area using graphs and tables
- Summarize information about the climate of different regions of the world to illustrate that typical weather conditions vary by region
- Evaluate solutions that reduce the impact of a weather related hazard

Life Science:

- Understand the diverse life cycles and traits of different plants and animals
- Provide evidence and examples of inherited and environmental characteristics of living organisms within a group of similar organisms
- Distinguish between inherited vs. environmental characteristics of organisms
- Compare fossils to living organisms and their environments
- Use evidence to explain how variations of characteristics within the same species provide advantages for survival and reproduction
- Provide evidence for causes of organisms to survive well, less well or not survive in an environment
- Describe how changes in an environment affect organisms' survival
- Provide evidence that survival of a population is dependent upon reproduction

Physical Science:

- Provide evidence to explain effect of force and motion, including friction on an object
- Investigate the nature of forces between two magnets
- Define a simple design problem that can be solved using magnets

Technology and Engineering:

- Define a simple design problem that reflects a need or a want
- Generate possible solutions to a design problem
- Research and present different representations of a design solution

SOCIAL STUDIES

History and Geography:

- Explain the meaning of time periods or dates in historical narratives
- Observe visual sources such as paintings, photographs, and clothing
- Describe local and regional artifacts and sites
- Use map scales, legends and titles to locate places on contemporary maps
- Describe difference between contemporary map of their city or town to city or town in 18th, 19th, or early 20th century

Civic and Government:

- Discuss why its important to have city government
- Discuss different ways people in a community can influence their local government

New England and Massachusetts:

- Learn about the Pilgrims
- Explain differences between Pilgrims and Puritans
- Learn about the circumstances around the American Revolution
- Identify the Declaration of Independence, the constitution, and the Bill of Rights as key American documents
- Read a biography of a person from Massachusetts and write about it

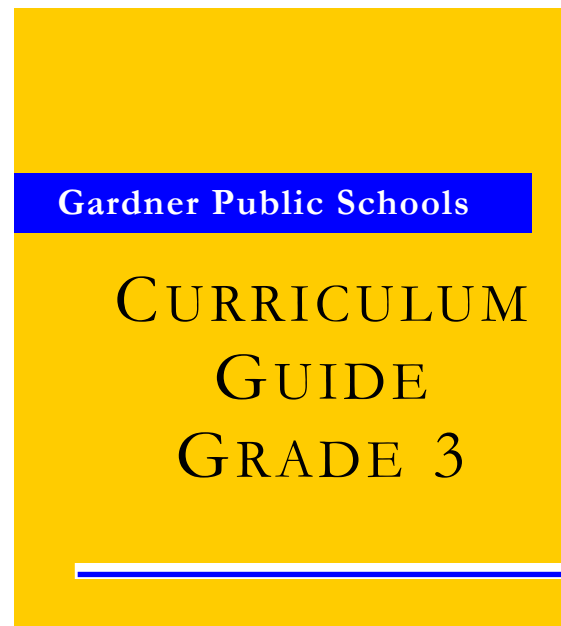
Cities and Towns of Massachusetts:

- Explore the Massachusetts' map and identify historic places and significance
- Learn about your own city and how it was

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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"Intelligence without ambition is a bird without wings." C. A. Danielson

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