

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 discus-

sion

- Add to classroom discussion by building on others' 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

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

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

SCIENCE AND TECHNOLOGY:

The Geography of Native Peoples in MA:

- On a map of North America using map tools locate the Northeast region
- On a political map of the US, locate all New England states
- Explain the diversity of native people, present and past, in the New England region

European explorers' contact with Northeast native people:

- Locate North America, Atlantic ocean, and Europe on a map
- Explain first contact between Europeans and native people
- Explain motive to sail across the Atlantic
- Trace on a map the voyages European explorers took to the Northeast coast

The Pilgrims and Puritans:

- Explain who the Pilgrims were and their motivations
- Show challenges, goals, and partnerships Pilgrims had
- Compare and contrast leadership decisions between Puritans of Bay Colony and Pilgrims of Plymouth Colony
- Using primary sources analyze the life of the Puritan people
- Explain importance of maritime commerce and the practice of bartering

Cities and Towns of Massachusetts:

- On map of Massachusetts use map tools to locate their school and physical features in MA
- Research demographic origins of the town or city
- Explain how governments work in MA

18th Century Massachusetts through the American Revolution

- Using historical map, explain extent of the province of Massachusetts in the 17th and 18th century
- Analyze connections between events, locations, and individuals in Massachusetts at the start of

the American Revolution (Boston Massacre, Boston Tea Party, Intolerable Acts, First Continental Congress, Lexington & Concord)

- Analyze what led to declaring independence and what words on the Declaration of Independence mean
- Explain the constitution and how it outlined how leaders wanted to govern the US

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.

Gardner Public Schools

70 Waterford Street
Gardner, MA 01440
Phone: 978-632-1000

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CURRICULUM GUIDE GRADE 3



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