

ENGLISH LANGUAGE ARTS

Reading :

- Read with accuracy and fluency to support comprehension
- Recognize capitalization and punctuation in sentences
- Know and apply grade level phonics
- Grade level texts
 - Use reading strategies such as context clues, predictions, main idea, details, sequencing, cause and effect and retelling
- Characteristics of fiction, nonfiction and poetry
 - Identify characters, setting and plot in stories
 - Distinguish between fact and fiction

Language:

- Use singular and plural nouns with matching verbs (eg. he hops, we hop)
- Print upper/lower case letters legibly, using spaces to separate words
- Learn to capitalize dates and names of people
- Spell priority words correctly
- Use end punctuation for sentences

Writing:

- Write opinion pieces that introduce a topic, state an opinion, supply a reason and provide closure
- Write an informative piece that names topic, adds facts, and provides closure
- Write narratives that sequence two or more events
- Participate in shared research projects

Listening and Speaking:

- Contribute to class discussions, follow agreed upon rules
- Make oral presentations with eye contact and clear speech

MATHEMATICS

Number Sense:

- Solve addition and subtraction problems to 20 using models and equations
- Know the meaning of the equal sign and find missing addends in an equation

Number and Operations in Base Ten:

- Count, read, and write numerals to 120
- Know meaning of the digits in a two-digit number (tens and ones)
- Compare numbers to 120 using greater than, less than, and equal to
- Add some tens or some ones to a number to 120

Operations and Algebraic Thinking:

- Solve addition and subtraction problems to 20 using models and equations
- Know the meaning of the equal sign and find missing addends in an equation
- Know addition and subtraction facts to 10

Measurement and Data:

- Measure an object in whole units using non-standard units like cubes or paper clips
- Order and compare the lengths of objects
- Tell and write time to the hour and half hour
- Answer questions about graphs with three categories
- Know the names and values of coins and find equivalences

Geometry:

- Know the names and attributes of shapes
- Use shapes to build composite shapes
- Partition circles and rectangles into halves and quarters

SCIENCE AND TECHNOLOGY

Earth and Space Science:

- Observe sun, moon and stars to describe the appearance of rising in one part of the sky, moving across the sky and setting in another part of the sky
- Analyze seasonal patterns data to identify relationships of changing sunrise/sunset times, seasonal temperature and rainfall/snowfall patterns and seasonal changes to the environment

Life Science:

- Use evidence to explain how plant/animal structures are related to their function
- Research and compare ways that animals help their offspring to survive
- Observe and identify similarities and differences

among individual plants/animals of the same kind

Physical Science:

- Demonstrate that vibrating materials make sound and that sound can create vibration
- Conduct an investigation to determine that some materials allow light to pass through, partially pass through, block the light or redirect the light
- Use tools and materials to design and construct a device that uses light or sound to send a signal over a distance

Technology:

- Ask questions, make observations and collect information about a situation people want to change that can be solved by developing or improving an object or tool
- Generate multiple solutions to a design problem and make a drawing (plan) to represent one or more of the solutions

SOCIAL STUDIES

History and Geography

- Identify temporal sequences such as days, weeks, months, years, and season. Use correctly words and phrases related to time (now, in the past, in the future: and recognize the existence of changing historical periods (other times, other places)
- Place events in the students' own lives in chronological order
- Read dates on a calendar and associate them with days of the week
- Provide evidence of ways citizens of the United States are unified and diverse
- Show and describe ways people show pride in being a US citizen
- Describe a map as a representation of a space such as the classroom, the school, the neighborhood, town, city, state, country, or world
- Identify cardinal directions (north, south, east, west) and apply them to maps, locations in the classroom, school, playground, and community
- Explain that a capital is the center of government for a state/nation

- Define and give examples of a continent, mountain, river, lake and ocean
- Understand that in different parts of the world people have different traditions

Civics and Government:

- Understand benefits of being part of a group
- Investigate roles members of a group play and how they all contribute to a goal
- Understand traits of a leader and analyze personal accounts of leadership
- Explain how an election is voting for leaders in some cases and identify leaders chosen by election (president, sports captains, etc.)
- Understand that members of a town, city, or nation are citizens
- Explain that people born in the US are citizens, but not all residents are citizens
- Evaluate the qualities of a good citizen in a community

Economics:

- Give examples of products (goods) that people buy and use
- Give examples of services that people do for each other
- Give examples of the choices people have to make about the goods and services they buy (e.g., a new coat, a tie, or a pair of shoes) and why they have to make choices (e.g., because they have a limited amount of money)
- Give examples of why people save money
- Explain relationship between natural resources and industries and jobs in a location
- Distinguish between a renewable and non-renewable source
- Understand that people are a resource

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 1



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