

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 struc-

tures 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
- Read dates on a calendar and associate them with days of the week
- After reading or listening to folktales, legends and stories from America and from around the world describe the main characters and their qualities
- After reading or listening to stories about famous Americans of different ethnic groups, faiths, and

historical periods describe their qualities and distinctive traits

- Explain that Americans have a variety of different religious, community, and family celebrations and customs, and describe celebrations or customs held by members of the class and their families
- 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
- Define and locate the North and South Poles and the equator
- Define and give examples of a continent, mountain, river, lake and ocean
- Give reasons for noting the days that mark the changes in seasons

Civics and Government:

- Give examples that show the meaning of the following words: politeness, achievement, courage, honesty, and reliability
- Identify the current President of the United States, describe what presidents do, and explain that they get their authority from a vote by the people
- Identify and explain the meaning of the American national symbols (the American Flag, the bald eagle, the White House, the Statue of Liberty)
- Demonstrate the ability to recite the Pledge of Allegiance, to explain its general meaning, and to sing the national songs (America the Beautiful, My Country tis of Thee, God Bless America and the Star Spangled Banner and explain the general meaning of lyrics
- Give reason for celebrating the events or people commemorated in the national and Massachusetts holidays

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)

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



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

Updated April, 2017