

ENGLISH LANGUAGE ARTS

Reading :

- Actively engage in group reading activities
- Know parts of a book (cover, title, author, illustrator)
- Understand concepts of print
- Identify upper and lowercase letters and corresponding sounds
- Demonstrate an understanding of spoken words, syllables, and sounds
- Understand that sentences are made up of words and spaces
- Make connections and predictions
- Sequence the order of a story
- Recognize plot, characters and setting
- Recognize rhyming words and patterns in a text
- Read emergent-reader text with purpose and understanding
- Exposure to different genres (fiction, non-fiction, poetry, fairy tales, nursery rhymes)

Language:

- Print upper and lower case letters
- Recognize and name end punctuation
- Capitalize the first word in a sentence

Writing:

- Print first and last name
- Draw a picture to share an idea
- Use letters or phonetically spelled words to tell about a picture
- Dictate or write a sentence to go with a picture.
- Introduce conventions of writing (start sentence with uppercase letter, put spaces between words, spell sight words correctly, use punctuation)

Speaking and Listening:

- Listen to others' ideas, pose questions, share familiar experiences/interests
- Retell story elements after listening to a story
- Describe common objects/events in general and specific language

MATHEMATICS

Number and Operations in Base Ten:

- Know that numbers 11 – 19 are made of ten and some ones

Counting and Cardinality:

- Count to 100 by tens and ones. Count by ones starting with any number
- Count objects and write numbers 0 – 20
- Compare groups of objects to 10

Operations and Algebraic Thinking:

- Solve addition and subtraction problems to 10 using numbers and pictures
- Decompose number to 10 in more than 1 way. (e.g. $7=2+5$ and $7= 1+6$)
- Given numbers 1 – 9 find the pair to make ten

Measurement and Data:

- Measure and compare objects based on attributes like length and weight
- Classify and count the objects in a given category

Geometry:

- Identify and know the names of 2-d and 3-d shapes
- Combine shapes to build composite shapes

SCIENCE AND TECHNOLOGY

Earth and Space Sciences:

- Use and share quantitative observations of weather conditions to describe patterns over time
- Construct an argument supported by evidence for how plants and animals can change the environment
- Collect and use information weather forecasting to prepare for different types of weather
- Share solutions to reduce natural resource consumption

Life Science:

- Observe and share that animals and plants need food, water and air to survive; animals get food from plants or other animals; plants make their own food and need light to live and grow
- Recognize that all plants and animals grow and change over time

Physical Science:

- Investigate and share that materials can be solid or liquid depending on temperature
- Compare effects of different strengths or different directions of push/pull on the motion of an object
- Make observations and determine that sunlight warms material on earth's surface
- Use tools and materials to model a structure that will reduce warming effect of sunlight on an area

SOCIAL STUDIES

History:

- Stories/holiday connections to historical figures (Columbus, Washington, Lincoln, etc.)

- Similarities and differences in own family's home, meals and customs and other cultures and lifestyles

Geography:

- Globe as a model of Earth
- Maps to find location
- Know own address
- Know way around school

Economics:

- Choices in trade activities
- Sharing, saving, spending
- Wants and needs
- Occupations

Civics and Government:

- Learn Class rules
- Understand Good Manners
- Understand Personal Responsibility
- Learn the tolerance of others
- Learn the meaning of the American Flag as a symbol
- Recite the Pledge of Allegiance

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
 KINDERGARTEN**



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