

ENGLISH LANGUAGE ARTS/READING KINDERGARTEN

Kindergarten students begin the complex process of learning to read and write. As they make the connection of the printed word with reading and writing, students begin to develop basic literacy skills.

WORD ANALYSIS

It is expected that students will:

- ⦿ demonstrate phonological awareness of spoken words through concept of word, syllable awareness, and onset and rime
- ⦿ demonstrate phonemic awareness through matching, isolating, blending, segmenting, deleting, and substituting individual sounds in spoken words
- ⦿ recognize and name upper and lower case letters of the alphabet
- ⦿ identify and use letter-sound relationships to read simple words in text (e.g., dog, cat, run)
- ⦿ use pictures, symbols, and environmental print to build and comprehend vocabulary
- ⦿ read high frequency words to build fluency and construct meaning

READING STRATEGIES

It is expected that students will:

- ⦿ use concept of print (e.g., top/bottom, left/right, story sense), and concept of word
 - recognize that print conveys a message
- ⦿ predict what a story will be about
- ⦿ retell beginning, middle, and end of familiar stories
- ⦿ restate the main idea of a story or text
- ⦿ identify author, illustrator, cover, and title

LITERARY TEXT

It is expected that students will:

- ⦿ listen to and identify setting and sequence of events in a story
- ⦿ listen to and identify the main idea of a story
- ⦿ listen to stories from different cultures and time periods
- ⦿ respond to who, what, where, when, and why questions

EXPOSITORY TEXT

It is expected that students will:

- ⦿ gain information from text using titles, illustrations, graphs, and charts
- ⦿ listen to, read, and discuss texts from different cultures and time periods
- ⦿ listen to and describe sequential order
- ⦿ listen to and use information to answer specific questions
- ⦿ listen to and use pictures and written directions to complete a task
- ⦿ distinguish between statements and questions

ENGLISH LANGUAGE ARTS/READING KINDERGARTEN (Continued)

EFFECTIVE WRITING

It is expected that students will:

- ⦿ select ideas for writing
- ⦿ draw or write simple stories to communicate ideas
- ⦿ revise drafts considering audience, ideas, and voice
- ⦿ edit for correct use of words and complete sentences
- ⦿ spell correctly and capitalize first and last names
- ⦿ write complete sentences to communicate
- ⦿ form letters correctly
- ⦿ create a final draft

TYPES OF WRITING

It is expected that students will:

- ⦿ draw or write to inform and communicate
- ⦿ draw or write about familiar experiences or events
- ⦿ draw or write responses to literature or informational text
- ⦿ discuss, write or draw to ask a question, record information, and answer a research question
- ⦿ use simple reference materials and technology

LISTENING

It is expected that students will:

- ⦿ listen for a variety of purposes (e.g., gaining information, being entertained, and understanding directions)
- ⦿ listen and respond to oral communication
- ⦿ expand vocabulary through listening

SPEAKING

It is expected that students will:

- ⦿ give directions to complete tasks and ask questions to clarify
- ⦿ use precise language to describe feelings, experiences, observations, and ideas
- ⦿ retell stories and personal experiences by speaking clearly
- ⦿ participate in group discussions and follow the turn-taking process

MATHEMATICS KINDERGARTEN

Kindergarten students begin to count, combine, sort, and compare sets of objects, describe simple patterns, and recognize shapes of figures and objects. Learning experiences in mathematics begin with the concrete and connect to symbols. Students learn concepts and skills which are necessary for understanding the mathematics of the next grade level.

NUMBERS, NUMBER SENSE, AND COMPUTATION

It is expected students will:

- ⊙ count to 20
- describe sets of objects as more than, less than, and equal to
- ⊙ match the number of objects to the correct numeral 0-10
- ⊙ recognize, read, and write numbers from 0-10
- ⊙ use objects to model simple addition and subtraction
- ⊙ identify ordinal positions first to third
- use number sense, computation, and estimation to solve problems

Patterns, Functions, and Algebra

It is expected students will:

- ⊙ identify similar characteristics (attributes) used to sort objects
- create and describe patterns using objects, words, and numbers
- recognize, replicate, and extend patterns
- ⊙ identify and create sets of objects with unequal amounts, describing them as greater than or less than

MEASUREMENT

It is expected students will:

- ⊙ compare, order, and describe objects by size
- ⊙ identify and sort pennies, nickels, and dimes
- ⊙ recite in order the days of the week

SPATIAL RELATIONSHIPS, GEOMETRY, AND LOGIC

It is expected students will:

- ⊙ identify two-dimensional shapes (circles, triangles, rectangles including squares)
- ⊙ identify three-dimensional figures in the environment (sphere, cylinder, rectangular prism, cube, cone)
- ⊙ demonstrate an understanding of before/after, far/near, and over/under to place objects

MATHEMATICS KINDERGARTEN (Continued)

DATA ANALYSIS:

It is expected students will:

- ⊙ collect, organize, and record data using objects and pictures
 - represent data in a variety of ways in response to questions posed by teachers
- ⊙ describe and compare information (data) on graphs made with objects, pictures, or numbers

PROBLEM SOLVING

It is expected students will:

- ⊙ apply previous experience and knowledge to new problem solving situations
 - formulate their own problems
- ⊙ explain and verify results with respect to the original problem
- ⊙ try more than one strategy when the first strategy proves to be unproductive
- ⊙ use technology, including calculators, to develop mathematical concepts

MATHEMATICAL COMMUNICATION

It is expected students will:

- ⊙ use everyday language, both orally and in writing, to communicate strategies and solutions to mathematical problems
- ⊙ use inquiry techniques to solve mathematical problems (discussion, questioning, research, data gathering)
 - use mathematical notation to communicate and explain problems
- ⊙ use physical materials, models, pictures, or writing to represent and communicate mathematical ideas

MATHEMATICAL REASONING

It is expected students will:

- ⊙ Justify and explain the solutions to problems using physical models
- ⊙ discuss the steps used to solve a mathematical problem
- ⊙ draw logical conclusions about mathematical problems

MATHEMATICAL CONNECTIONS

It is expected students will:

- link new concepts to prior knowledge
- ⊙ identify, explain, and use mathematics in everyday life
- ⊙ apply mathematical thinking and modeling to solve problems that arise in other disciplines, such as rhythm in music and motion in science
 - view mathematics as an integrated whole in order to identify mathematics used in everyday life

SCIENCE

KINDERGARTEN

Kindergarten students focus on exploring the world around them. They learn to make and share questions and observations. They interact with various materials and their characteristics. They collect and share information about animals. They keep records, over time, of weather patterns and seasonal changes. They are introduced to the concepts of measurement and recording. Nature and History of Science objectives are embedded throughout the year in the contexts of life, earth, and physical science.

NATURE OF SCIENCE

It is expected that students will:

- ⦿ record observations and explanations using pictures, words, or numbers
- ⦿ use equipment (magnifying lens, funnel, eye dropper) to gather information
- ⦿ observe patterns in nature (leaves, feathers, night, day, weather conditions)
 - ask questions about the world
- ⦿ share information, observations, and ideas with others
- ⦿ recognize that science involves people of all ages and backgrounds

PHYSICAL SCIENCE

It is expected that students will:

- ⦿ describe observable materials and properties of objects (size, shape, color)
- ⦿ compare objects/products made of different materials

EARTH AND SPACE SCIENCE

It is expected that students will:

- ⦿ recognize that the sun is a source of heat and light
- ⦿ observe, describe, and record seasonal changes

LIFE SCIENCE

It is expected that students will:

- identify observable characteristics and behaviors of animals
- ⦿ sort animals by observable characteristics
- ⦿ observe and explain that animals have offspring that are the same kind of animal
- ⦿ use five senses to investigate the natural world
- recognize and explain that animals live in different places

SOCIAL STUDIES

KINDERGARTEN

Kindergarten students learn about values, ideas, customs, and traditions through folk tales, legends, music, and oral histories. Students become aware of the purpose of rules and laws, that choices can be related to the scarcity of resources, and helping students describe their location at school and at home.

HISTORY

It is expected that students will:

- discuss the importance of working together to complete tasks
- listen to stories of family members, local residents, and prominent figures to highlight the human experience
- listen to stories of people and families around the world
- identify problems that occur when people live and work together
- recognize differences between home and school
- describe the importance of working together to complete tasks
- identify the occupations of people in their school
- demonstrate respect for each other in the classroom and school
- share events that are important to the students and their families

GEOGRAPHY

It is expected that students will:

- recognize that a globe is a representation of earth and use vocabulary related to direction and location, i.e., up/down; left/right; near/far; above/beyond
- identify areas that have different purposes in the home, i.e., kitchen, bedroom; or the classroom, i.e., exit door, teacher desk
- describe self as a unique individual with characteristics similar to others
- recall from memory the street on which s/he lives
- identify the geographic setting of a picture or story
- explain that people move from one location to another
- recognize weather changes with the seasons and how people adapt to those changes

ECONOMICS

It is expected that students will:

- show that resources are scarce, such as a limited number of crayons
- identify jobs in the community
- identify United States currency
- make decisions involving classroom resources

SOCIAL STUDIES KINDERGARTEN (Continued)

CIVICS

It is expected that students will:

- identify and follow classroom and school rules that guide behavior and resolve conflicts
- identify an individual's rights within the classroom
- recognize individual choices
- recognize the Pledge of Allegiance
- name a traditional United States patriotic activity, holiday, or symbol
- name their school