

# 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 - PHONICS, VOCABULARY**

*It is expected that students will:*

- ⊙ identify forms of print (e.g., letters, words, sentences)
- ⊙ use high-frequency words and environmental print to read simple texts
- ⊙ identify and use letter/sound relationships
- ⊙ identify and sequence names of letters of the alphabet
  - identify alternate forms of letters (e.g., a, g, k, q)
  - identify sounds of letters of the alphabet
- ⊙ identify initial sounds in words
- ⊙ identify final sounds in words
- ⊙ identify rhyming words
- ⊙ use letters/sounds to decode words

## **READING COMPREHENSION - SKILLS AND STRATEGIES**

*It is expected that students will:*

- ⊙ use concepts of print (top to bottom orientation, left to right directionality, return sweep)
  - recognize that print conveys a message
- ⊙ use prior knowledge and picture clues as pre-reading strategies to aid comprehension
  - identify a purpose for reading/listening to a story
- ⊙ predict what a story will be about
  - identify real and make-believe
  - select books to read independently or with a partner

## **READING COMPREHENSION - LITERATURE**

*It is expected that students will:*

- ⊙ retell beginning, middle, and end of familiar stories
- ⊙ listen to stories from different cultures and eras
- ⊙ listen for rhythm, rhyme, and alliteration
- ⊙ listen and respond to poetry and prose, including fiction and non-fiction selections
  - respond and retell stories in a variety of ways (e.g., verbal, pictures, puppetry, dramatics, writing)
  - recall important details in a story
- ⊙ respond to who, what, when, where, and why questions
- ⊙ use pictures/clues/words to answer questions
  - identify sequence of events in stories

## **ENGLISH LANGUAGE ARTS/READING KINDERGARTEN (Continued)**

### **READING COMPREHENSION - INFORMATIONAL TEXTS**

*It is expected that students will:*

- ⊙ demonstrate an understanding that printed materials provide information
- ⊙ identify parts of a book (e.g., cover, title, author, and illustrator)
- ⊙ recall information from texts, pictures, and graphs
- ⊙ distinguish between statements and questions
  - follow, with teacher assistance, a simple written direction

### **WRITING - COMPOSITION**

*It is expected that students will:*

- ⊙ draw and write in response to information
- ⊙ draw and write daily to communicate
- ⊙ draw and write stories about familiar experiences and events
- ⊙ draw and write responses to literature

### **WRITING - PROCESS**

*It is expected that students will:*

- ⊙ select, with teacher assistance, ideas for writing
  - organize and sequence, with teacher assistance, ideas generated through group discussions
- ⊙ draw or write, with teacher assistance, simple stories

### **WRITING - CONVENTIONS OF ENGLISH LANGUAGE**

*It is expected that students will:*

- ⊙ write own first and last names
- ⊙ capitalize first letters of own first and last names
- ⊙ use correct spelling of own first and last names
- ⊙ form letters of the alphabet correctly
  - identify and use, with teacher assistance, end punctuation (period, question mark, exclamation point)

### **LISTENING SKILLS**

*It is expected that students will:*

- ⊙ listen for a variety of purposes such as to obtain information, to solve problems, or for enjoyment
- ⊙ attend and respond to stories and group discussions
- ⊙ listen to and follow oral directions

## **ENGLISH LANGUAGE ARTS/READING KINDERGARTEN (Continued)**

### **SPEAKING SKILLS**

*It is expected that students will:*

- ⦿ use and expand vocabulary to communicate ideas
  - speak clearly at an understandable pace
- ⦿ share and respond to ideas
- ⦿ relate experiences and retell stories
- ⦿ give clear directions to complete a simple task
- ⦿ use complete sentences to communicate ideas

### **DISCUSSION**

*It is expected that students will:*

- ⦿ demonstrate turn-taking in conversations and group discussions
- ⦿ ask and answer questions
- ⦿ share ideas and information

### **RESEARCH AND STUDY SKILLS**

*It is expected that students will:*

- ⦿ use simple reference materials and technology
  - asks questions to explore areas of interest
- ⦿ formulate questions to explore areas of interest

# 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, connect the concrete to symbols, and proceed to the abstract or purely symbolic. 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 that students will:*

- ⊙ count up to 20 objects to determine quantity
- ⊙ count to 20
  - compare sets of objects and describe more/less/equal
- ⊙ match the number of objects to the correct numeral, 0 -10
- ⊙ recognize, read, and write numbers, 0 - 10
  - recognize number words, 0 - 10
- ⊙ use ordinal positions, first to third
- ⊙ estimate the number of objects in a set to 10 and verify by counting
- ⊙ use concrete objects to model simple sums and differences
  - add and subtract whole numbers to 10, using objects
  - use number sense, computation, and estimation to solve mathematical and real-world problems

## **PATTERNS, FUNCTIONS, AND ALGEBRA**

*It is expected that students will:*

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

## **MEASUREMENT**

*It is expected that students will:*

- ⊙ compare and order objects by size, communicating their similarities and differences
- ⊙ order objects by size and weight
- ⊙ identify and sort pennies, nickels, and dimes
- ⊙ recite, in order, the days of the week

## **MATHEMATICS KINDERGARTEN (Continued)**

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### **SPATIAL RELATIONSHIPS AND GEOMETRY**

*It is expected that students will:*

- identify and describe geometric figures (sphere, cylinder, rectangular prism, cube, cone)
- ⊙ identify two-dimensional shapes (circles, triangles, rectangles, including squares) regardless of position
- ⊙ use position words (e.g. middle, before, down) to place and describe location of objects
- ⊙ identify two-dimensional figures as they appear in the environment (e.g., windows are shaped like rectangles)

### **DATA ANALYSIS**

*It is expected that students will:*

- ⊙ collect and describe data
- ⊙ describe and compare information (data) on graphs made with objects, pictures, or numbers

### **PROBLEM SOLVING**

*It is expected that students will:*

- ⊙ select, modify, develop, and apply strategies to solve a variety of mathematical and practical problems and to investigate and understand mathematical concepts
- ⊙ formulate own problems; use various approaches to investigate and solve problems
  - explain and verify results with respect to the original problem
- ⊙ apply solutions and strategies from earlier problems to new problem situations

### **MATHEMATICAL COMMUNICATION**

*It is expected that students will:*

- discuss and exchange ideas about mathematics as a part of learning
- use inquiry techniques (e.g., discussion, questioning, research, data gathering) to solve mathematical problems
- ⊙ use pictorial representations to identify mathematical operations and concepts
  - use physical materials, models, pictures, or writing to represent and communicate mathematical ideas
- ⊙ use everyday language to explain thinking about strategies and solutions to mathematical problems
- ⊙ explain and justify thinking about mathematical ideas and solutions
  - use mathematical notation to communicate and explain mathematical situations

## ***MATHEMATICS KINDERGARTEN (Continued)***

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### **MATHEMATICAL REASONING**

*It is expected that students will:*

- ⦿ justify and explain the solutions to problems using manipulatives and physical models
- ⦿ use patterns and relationships to analyze mathematical situations; draw logical conclusions about mathematical problems
  - ask questions to reflect on, clarify, and extend thinking

### **MATHEMATICAL CONNECTIONS**

*It is expected that students will:*

- ⦿ link new concepts to prior knowledge
- ⦿ identify practical applications of mathematical principles that can be applied to other disciplines
- ⦿ identify, explain, and use mathematics 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 AND HISTORY 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

## **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:*

- 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 become aware of their roles and responsibilities as a member of the family, school, and neighborhood. Students develop social skills which enable them to get along with others.

### **CIVICS**

*It is expected that students will:*

- know and recite full name and birthday
- know home address (street, city, state)
- recite the “Pledge of Allegiance,” with teacher assistance
- follow directions and classroom rules
- demonstrate courteous and respectful behavior
- complete tasks independently
- work cooperatively in a group

### **ECONOMICS**

*It is expected that students will:*

- recognize ways money is used to buy goods and services
- develop an awareness of wants and needs
- identify types of occupations/services and describe their importance in the community

### **GEOGRAPHY**

*It is expected that students will:*

- use vocabulary related to direction and location (e.g., up/down; left/right; near/far; above/below)
- recognize a map and a globe
- recognize water and land on a map or globe
- identify daily weather conditions (e.g., rain, sun, snow, wind)

### **HISTORY**

*It is expected that students will:*

- develop an awareness of important holidays in Nevada and the United States