

# Kindergarten

## English Language Arts

The instructional program in English Language Arts program focuses on literacy foundation skills, and emphasizes the connection between reading, writing, listening and speaking. Children are provided with opportunities to become effective communicators in an environment rich with language and literature.

### Reading

- Show comprehension of a selection read aloud
- Make predictions about story
- Discuss personal experiences
- Show book handling skills
- Use directionality - identifying the beginning of the text, left to right progression, return sweep, top to bottom
- Activate prior knowledge before reading
- Make connections
- Make predictions
- Recognize consonant sounds
- Use classroom books
- Understand that letters form words and that print contains a message
- Identify upper and lower case letters
- Identify setting and characters
- Distinguish between fiction and non-fiction, fact and opinion
- Obtain information from charts, graphs, maps, and diagrams

### Writing

- Develop fine motor skills
- Express ideas in writing using inventive spelling
- Become aware of punctuation marks in print
- Become aware of capitalization
- Trace, copy and reproduce lower/upper case letters (Manuscript)

### Listening

- Listen for comprehension
- Listen for enjoyment and appreciation of literature

- Understand class routines and directions
- Listen to others
- Recognize rhyming words
- Recognize consonant sounds
- Name environmental sounds
- Imagine and draw a scene, picture, or character after listening to a description or story

### **Speaking**

- Speak clearly and effectively to convey a complete thought
- Tell a story with proper expression, correct stress and use pauses appropriately
- Retell a story in sequence
- Share ideas, facts, observations and opinions with classmates and teacher

### **Mathematics**

The instructional program in mathematics aims focuses on the development of problem solving and reasoning skills. Children are provided with activities involving manipulatives to develop a number sense and to learn key concepts in mathematics.

### **Sorting**

- Recognize and sort by shape, color and size

### **Patterning**

- Create patterns using size, color, and shape
- Create mathematical patterns using manipulatives
- Create and complete growing patterns

### **Numbers**

- Count using one-to-one correspondence
- Recognize written numerals from 1-20
- Write numbers from 1-10
- Understand relationship between concrete objects and their numerical representations
- Problem solving: develop an awareness of word problems through real-life situations

## **Operations**

- Simple addition/subtraction
- Simple fractions (understand one-half as two equal parts of a whole)

## **Graphing**

- Collect, graph, analyze and interpret data gathered from real-life situations
- Use graphs, including bar graphs and pictographs
- Create graphs using manipulatives

## **Measurement**

- Demonstrate awareness of simple weight
- Read time to the hour
- Measure using non-standard units

## **Money**

- Recognize and understand value of penny, nickel, dime, and quarter
- Add using simple number sentences
- Develop an awareness of word problems through real-life situations

## **Science**

The goal of the science program is to encourage students to learn key concepts in science and to develop skills of inquiry and observation through hands-on activities and experiments.

### **Life Science**

- Identify and classify living, non-living and once living things
- Identify living things and their needs
- Describe how animals move
- Identify food, air, and water as important things animals need
- Describe how animals care for their babies
- Compare seeds and plants
- Identify ways to care for plants and what plants need

- Identify parts of a plant (leaf, root, stem)
- Observe, predict, analyze

## **Physical Science**

### **Matter**

- Describe and group objects in terms of physical properties
- Compare relative weights of objects
- Identify parts of objects and how they relate to the whole

### **Sound, Heat and Light**

- Compare and contrast loud and soft sounds
- Classify objects as hot or cold
- Understand how light helps daily activities

### **Movement**

- Describe and demonstrate how things move
- Observe and classify objects that float or sink
- Observe and describe how magnets interact with other objects

## **Earth Science**

### **Earth and Sky**

- Describe landforms and bodies of water
- Observe the sun's position in the day sky
- Identify things that can be seen in the night sky

### **Weather**

- Identify types of weather
- Identify, describe, and compare the four seasons

### **Caring for the Earth**

- Identify natural resources
- Describe ways natural resources are used
- Describe ways to conserve energy, water, and other natural resources

- Identify recycling as a way to save trees and reduce waste

## **Social Studies**

The goal of the social studies program is to develop an understanding of self, family, home and community through meaningful and developmentally appropriate activities.

- Understand family structure
- Identify community helpers
- Develop good citizenship and a respect for our country
- Develop awareness of different holidays
- Develop courtesy, respect for one another and authority; understand friendship and love
- Simple geography (locate land and water masses on a map or globe)
- Understand that each person has needs, wants, talents, and abilities
- Understand that each person is unique and important
- Understand that each person has likes and dislikes
- Understand that all people have feelings that need to be respected
- Understand that all people need others
- Understand that people change over time
- Understand our community/community workers
- Understand that all children and adults have responsibilities at home, in school, in the classroom and in the community
- Appreciate different traditions, customs, and holidays of families around the world