



# KINDERGARTEN Learning Objectives for **Language Arts**



## **READING AND LITERATURE**

### **The learner will**

- recall prior knowledge and personal experiences related to topic.
- respond to what is heard or read and make personal connections.
- memorize pattern books, poems and familiar books.
- demonstrate knowledge of story structure, e.g., setting, characters and events.
- begin to read signs, labels and logos (environmental print).
- know most letter names and letter sounds.
- ask the meaning of unknown words.
- use illustrations to tell stories.
- recognize some simple high frequency words.
- blend sounds to make words.
- sort words according to sound patterns.
- recognize and produce rhyming sounds and play with words.
- recognize some names and words in context.
- listen and react to a variety of genre, including poetry, fiction, non-fiction, fairytale, letter and drama.
- pretend to read and demonstrate eagerness to read.
- begin to make meaningful predictions.
- compare personal events, attributes or environments to those of characters in a story.

## **WRITING AND GRAMMAR**

### **The learner will**

- use pictures and print to convey meaning.
- write words to describe or support pictures.
- keep a journal.
- copy signs, labels, names and words (environmental print).
- demonstrate an understanding of letter/sound relationship.
- intermixes upper and lower case letters.
- use beginning and ending consonants to make words.
- pretend to read own writing.
- create and communicate orally his/her own stories.
- attempts semi-phonetic spelling.
- learn pre-writing strategies: drawing, brainstorming, discussing, making lists, questioning and answering.
- use adjectives to describe details.
- form proper lower/upper case letters.

## **SPEAKING AND LISTENING**

### **The learner will**

- take turns during conversations and discussions.
- speak about an event expressing feelings and opinions from own experiences.
- tell/retell story with expression.
- articulate at proper rate and volume.
- express enjoyment when talking with peers.
- follow multi-step instructions.
- listen to others during conversations and discussions.



# KINDERGARTEN Learning Objectives for **Mathematics**



## **NUMBER SENSE**

### **The learner will**

- recognize groups 1-12.
- name groups.
- order groups.
- order numbers before, after, between.
- compare numbers 1-12.
- count by 10's to 100.
- compare numbers by 1's to 50.
- order numbers by 1's to 50.
- count by 1's to 100 (enrichment).
- count by 5's to 100 (enrichment).
- count by 2's to 30 (enrichment).
- describe and compare amounts using words like less, least, more, most, same and equal.
- compare two quantities and identify which is more and which is less.
- solve problems using data from a picture, solve problems using the strategy, look for a pattern (enrichment).

## **COMPUTATION**

### **The learner will**

- solve problems using data from a story.
- use problem solving strategies to make a table.
- record addition actions.
- use critical thinking.
- model addition sentences.
- record addition sentences.
- add money.
- explore missing parts of a sum (enrichment).
- solve problems by retelling a story.
- record subtraction actions.
- subtract from a number.
- model subtraction sentences.
- subtract money.
- understand and use appropriate operations to solve problems.

## **ALGEBRA**

### **The learner will**

- sort by type.
- sort and resort sets.
- sort by size.
- sort by category.
- use logical reasoning to solve problems.
- use critical thinking.
- problem solving strategy: understand the question.
- use two-attribute sorting.
- develop a sorting rule (enrichment).
- explore patterns through shapes and colors.
- use patterns to predict positions.
- create their own sequential pattern.
- explore a matrix pattern (enrichment).



# KINDERGARTEN Learning Objectives for **Mathematics**



## **GEOMETRY**

### **The learner will**

- identify solid shapes (circle, square, rectangle and diamond).
- sort solid shapes.
- sort plane shapes.
- identify plane shapes.
- draw plane shapes.
- build pattern block designs.
- find shapes within shapes (enrichment).

## **MEASUREMENT**

### **The learner will**

- compare, estimate and measure height.
- compare, estimate and measure length.
- collect data and order by height, length, or size.
- measure distance.
- solve problems by making estimations of length.
- use "guess and check" method to solve problems.
- estimate and measure area.
- estimate and measure capacity.
- compare weight.
- measure perimeter.
- order events: before and after.
- order events: first, next, last.
- compare time.
- tell time on the hour.
- count pennies, nickels, dimes, rand and cents.
- use critical thinking to make purchases.
- conduct a survey (enrichment).

## **STATISTICS AND GRAPHING**

### **The learner will**

- compare groups: same or different.
- begin using tally marks.
- create groups: same number.
- compare groups: more or less.
- create groups: more or less.
- equalize groups.
- create real graphs.
- create picture graphs.
- use manipulatives to solve problems.
- use data from a picture to solve problems.
- explore probability.
- collect and graph data (enrichment).



# KINDERGARTEN Learning Objectives for **Science**



## **INQUIRY PROCESS**

### **The learner will**

- use one or more of the senses to note details; both directly and through the use of instruments.
- identify common and distinguishing characteristics among objects or events.
- make qualitative observations, using both standard and non-standard measures.
- transmit observable data or ideas visually, orally, or electronically.
- use one or more criteria to categorize objects or events.
- estimate and/or describe to one another the relationship of moving and/or non-moving objects or events.
- anticipate outcomes of future events, based on patterns of experience.
- use logic to draw conclusions based on observations.
- create physical or mental representation of processes or structures.
- make predictions, inferences and hypotheses from a set of data.
- pose a testable explanation for observations or events and state it as the expected outcome of an experiment.
- design and carry out procedures for testing hypotheses under conditions in which variables are controlled or manipulated.

## **LIFE SCIENCE**

### **The learner will**

- understand that plants, like animals, are living things.
- recognize that seeds can be found in the fruits of plants.
- identify seeds of different fruits.
- recognize that seeds vary in color, size and shape.
- identify the conditions necessary for seeds to sprout.
- identify the functions of roots, stems and leaves.
- recognize the different varieties of plants living and growing in many different environments.
- recognize that people need plants for food, clothing, construction materials and many other products.
- describe some characteristics of living things.
- recognize some characteristics of mammals and identify how mammal parents care for their young.
- recognize that young birds hatch from eggs and parent birds care for them.
- identify the stages in the metamorphosis of a butterfly.
- recognize the stages in the metamorphosis of a frog.
- recognize that all young animals grow to resemble their parents.
- recognize that people need animals for food, clothing, work and companionship.
- recognize that people are responsible for meeting the needs of household pets.

## **PHYSICAL SCIENCE**

### **The learner will**

- observe that water takes the shape of its container, has weight and takes up space.
- observe that water can change by freezing, melting and evaporating.
- recognize that some objects float in water and others do not.
- recognize that the shape of some objects helps determine whether the object will sink or float.
- observe that water drops can be manipulated in predictable ways.
- recognize that water, soap and air can be used to make bubbles.
- identify some of the characteristics of bubbles.



# KINDERGARTEN Learning Objectives for **Science**



## **EARTH SCIENCE**

### **The learner will**

- observe some daily weather conditions and recognize that weather conditions are constantly changing.
- measure temperature and wind, identify some weather symbols and observe and record changes in weather conditions.
- recognize that weather conditions affect the kind of clothing people wear.
- describe how weather conditions can affect people's activities.
- identify the four seasons; to classify weather conditions associated with each season; to recognize that the seasons occur in a predictable cycle.
- describe seasonal changes in plants.
- describe seasonal changes in animals.
- recognize that people use land for growing food, for transportation, for building things and for recreation.
- identify ways in which people use the Earth's water.
- identify ways in which people use the Earth's air.
- recognize that living things need a clean environment and identify factors that contribute to air, water and land pollution.
- recognize that many materials can be reused and recycled and to identify some recyclable materials.



# KINDERGARTEN Learning Objectives for **Social Studies**



## **HISTORY**

### **The learner will**

- identify the relationships in a family tree (parents, grandparents, aunts, uncles and cousins).

## **SELF AND SOCIAL AWARENESS**

### **The learner will**

- recognize that people are alike in some ways and unique in others.
- describe some of the ways people change as they grow.
- identify and describe the functions of some of the major internal body parts.
- describe some good health habits and identify foods that contribute to good health.
- recognize the eyes as the primary organs of sight.
- identify some of the parts of the eyes and use the sense of sight to observe some properties by which objects are characterized.
- recognize the ears as the primary organs of hearing.
- identify some different kinds of sounds and classify objects according to the kinds of sounds they make.
- recognize the nose as the organ by which we smell and classify by smells.
- recognize the tongue as an organ of taste and classify by taste.
- recognize that the skin is the primary organ of touch.
- classify objects according to texture.

## **GEOGRAPHY**

### **The learner will**

- introduce the diversity of a community.
- explore different roles that create the structure of a community (mayor, police, firemen, doctors, teachers, city workers).
- explore the cultural significance and traditions relating to American holidays.
- identify how people use the environment.
- identify the human and natural characteristics of places.
- identify some of the important features of the classroom and explain the reason for their location.
- compare their classroom with other rooms in the school and identify similarities and differences.