

# Pre- Kindergarten

## Math:

During the Prekindergarten year, children will have opportunity to:

- Count to 100 by ones and tens.
- Count on from any given number.
- Write numbers from 0-30.
- 1:1 correspondence of written numerals with objects.
- Understand the last number said tells the number of objects counted.
- Understand the sequence of numbers.
- Count objects using 1:1 correspondence.
- Understand more/less/same to compare objects and numbers by using manipulatives.
- Understand addition and subtraction using manipulatives, drawings, and verbal explanations.
- Solve addition and subtraction word problems within 10 using manipulatives and drawings.
- Understand parts or wholes of numbers with sums up to 10 (i.e.  $5=2+3$  or  $5=4+1$ )
- Understand the Make 10 strategy by using drawings to record answers.
- Understand adding and subtracting up to 5.
- Understand place value with numbers up to 20.
- Understand measurement using non-standard units.
- Sort and classify objects.
- Identify and describe shapes.
- Understand positional terms (i.e. above, below, beside)
- Understand and compare two- and three-dimensional shapes.
- Model shapes and compare their similarities and differences.



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## Science:

Prekindergarten students use inquiry skills (questioning, investigating, gathering and using data, developing and communicating explanations and outcomes) to learn and apply science concepts.

Specific Units Include:

Seasons, weather, sorting properties, five senses, nutrition, animals, and water.

During the Prekindergarten year, your child have the opportunity to:

- Observe varied materials in solids, liquids, and gases.
- Understand and apply daily and seasonal weather changes.
- Separate or sort a group of objects or material by its properties.
- Observes characteristics of living and nonliving things.
- Observe life cycle of animals.
- Observe the animal needs of air, water, and food.
- Observe that the world has many different environments to support basic needs.
- Understand ways to help take care of the environment.
- Understanding the human body parts and their functions including: walking, thinking, seeing, and talking.
- Observe good health habits.

## Literacy:

### Reading Standards

**Will have the opportunity to:**

- Ask and answer questions about key details in a fiction and informational text.
- Read fiction and informational texts while using comprehension strategies.
- Describe the relationship between illustrations and the texts.
- Engage in group reading activities to compare and contrast two different texts.

### Reading Foundational Skills

- Demonstrate understanding of the organization and basic features of print.
- Recognize that spoken words are presented in written language by specific sequence of letters.

- Recognize and name all upper – lowercase letters of the alphabet.
- Recognize ways to break apart and put together the sounds in word, hear and produce rhyming words, and separate words into syllables.
- Read grade level appropriate texts and decode unknown words.  
Read high frequency words.

### Writing Skills

- Use a combination of drawing, dictating, and writing to write an opinion, write information about a topic, and write events in sequence.
- Students will work with peers to edit and publish their work using a variety of formats.
- Students will use experiences and learned information to participate in shared research and writing projects.

### Speaking and Listening Skills

- Learn how to have a conversation with peers and adults.

- Show understanding of a text when read aloud by asking and answering questions.
- Ask and answer questions to clarify concepts and ideas.
- Describe familiar people, places, things, and events with support using drawings or other visual displays to add detail.
- Speak clearly when expressing thoughts, feelings, and ideas.

### Language Skills

- Use nouns, plural nouns, verbs, question words, and prepositions.
- Use grade level capitalization, punctuation, and spelling.
- Use correct formation when printing upper and lowercase letters.
- Build vocabulary knowledge by identifying word parts and new meanings for familiar words.
- Explore word relationships and meanings through sorting objects by concepts, learning opposites, identifying describing words, and recognizing multiple ways to describe an action.