

## Pre-K Class

### Literacy:

1. Oral language—follows three-step directions (please put your placemat on the table, wash your hands, and go get your snack out of your cubby); participates in rhyming and phonological games; retells stories after hearing; able to consider alternative events/conclusions to a story; tells group stories; recounts personal experiences with attention to narrative structure (beginning, middle, end); compares stories with one another in terms of setting, plot, characters, etc.
2. Print concepts—shows understanding of concepts about print (left-right, top/bottom, front/back); author, title, creation of books as individuals and as a class
3. Alphabet—pairs lower- and upper-case letters, matches letters and sounds; develops awareness of order of sounds in a word
4. Writing—represents ideas and stories through pictures, dictation, and beginning writing; uses real letters, and letter-like symbols, to convey meaning; understands purposes for writing; relates prior knowledge to new information; correct grip on pencil

### Mathematics:

1. Numeracy—shows interest in and begins to use simple strategies to solve mathematical problems using concrete materials; counts, recognizes numbers, and shows one-to-one correspondence to 20; counting by 2's, 10's; concept of place value; odd/even numbers; writes numbers legibly (reversals common); addition/subtraction problems using concrete objects
2. Mathematical thinking—sorts objects into subgroups varying by two or more attributes (size and color; shape and size, etc.); recognizes and duplicates simple patterns; creates own patterns; concept of symmetry; shows understanding or and uses most positional words; most comparative words; participates in measuring activities; sense of time (past, present, future); represents data using concrete objects, pictures and graphs
3. Geometry—identifies more geometrical shapes (evaluates number of sides, pentagon, hexagon, etc.)

### Science:

Life science: botany (parts of plants, seeds, growth, requirements and uses of plants,) physiology and anatomy (senses, organs/systems, parts of a leaf; similarities/differences,) zoology (classification and characteristics of animals)

Physical science: earth science (water cycle, weather, rocks, structure of the earth,) physics (motion, heat, states of matter, simple machines, etc.,) chemistry (reactions, combinations of substances); astronomy (sun, moon, planets, stars)

Scientific thinking: ability to observe, categorize, explore and record discoveries; using simple tools and equipment for investigation; making comparisons among objects; recording data in charts, tables, graphs

**Classroom skills:** Comes consistently to group times; raises hand and takes turns talking/listening in group; begins to be able to speak to group and lead activities; demonstrates independence in classroom routines and expectations; is able to explain classroom rules; manages transitions independently; attends to tasks and seeks help when encountering a problem; approaches tasks with flexibility and inventiveness

**Fine-motor skills:** increased control of writing/drawing tools, small manipulatives, intricate puzzles; buttoning/zipping/lacing; cutting on lines, drawing/coloring within lines; copying patterns

**Large-motor skills:** hopping on one foot, jumping rope, balance beam, bean bags, throwing/catching/kicking balls; T-ball; control of tricycles at high speeds ☺; skipping, galloping

**Music/drama:** longer, more involved songs; leading group singing; acting out familiar stories as a group; intricate child-led dramatic play using created props, changing roles, multiple participants

**Art:** projects to allow children to experience different types of media and free expression, building to more complicated projects that require better fine motor skills and may span multiple days to finish

**Social/emotional:** understands and identifies complex feelings in self and others; identifies similarities/differences in personal and family characteristics; explores common needs (living creatures, animals, people);

understands family needs, roles and relationships; awareness and compliance with rules; awareness of the environment; takes initiative to solve problems, demonstrates confidence in problem solving/negotiation; interacts easily with one or more children; engages in cooperative group play, sharing materials and taking turns; interacts easily with familiar adults; shows empathy/caring for others; self-confident and self-directed, fairly independent in self-care tasks, follows basic health and safety rules

**Temporal:** The calendar: days of the week, days in the month, new year, seasons, and counting the days of school, planning ahead for future activities and reflecting back upon past ones