

Da Vinci Academy 2011-12

Pre-K Skills & Key Concepts

Language Arts

Reading

- Distinguish between print and pictures
- Recognize the difference between letters and words
- Follow left-to-right and top to bottom direction when reading
- Locate parts of a book
- Recognize and identify letters of the alphabet
- Use beginning and ending consonants, as well as vowel sounds, to identify words
- Recognize the different sounds that make up a word
- Point to words in a text or on a chart when read aloud, matching spoken word to print
- Recognize own name and the names of friends and family in print
- Recognize letter-sound correspondence
- Recognize that words consist of a combination of sounds
- Identify rhyming words
- Monitor own reading by applying strategies (e.g., sounding out letters; using context, grammar, and picture clues; and rereading) to determine meaning
- Distinguish fantasy from realistic text.
- Identify types of everyday print materials (e.g., storybooks, poems, newspapers, signs, labels).
- Identify characters, settings, and important events.

Listening

- Listen respectfully and responsively
- Attend to a listening activity for a specified period of time
- Avoid interrupting
- Respond with expression appropriate to what is heard

Writing

- Create a drawing, picture, sign, or other graphic to represent a word or concept
- Follow left-to-right and top-to-bottom direction when writing
- Use spacing between letters and words when writing on a line
- Write recognizable upper- and lowercase letters in manuscript
- Write the letters of own first and last names

Speaking

- Respond respectfully
- Use age-appropriate vocabulary
- Take turns speaking in a group
- Speak in complete sentences when required
- Stay on topic
- Speak audibly
- Speak with expression appropriate to the occasion

Math

Number Sense

Numerations:

- Match equivalent sets in a 1 to 1 correspondence
- Count and write numerals to 10
- Recognize and arrange numerals 0-100
- Count by 10's to 100

Operations:

- Find sums by addition of 1 or 2
- Find differences by subtracting 1 or 2
- Terms: add - subtract - plus - minus

Fractions:

- Identify halves of a region or set

Graphing

- Graphs can be from real objects, pictures or objects, or symbolic
- Participates, interprets, and constructs graphs
- Able to read bar graphs, or other simple graphs
- Use words to express comparisons in graphs

Measurement

- Identify which object will hold more or less
- Identify which object is longer or shorter

Time

- Recognize a clock as a tool for measuring time
- Identify which of two activities takes more or less time
- Calendar concepts

Spatial Sense & Shapes

- Identify, classify basic shapes (Circle, Square, Triangle, and Rectangle)
- Copy shapes from real objects
- Demonstrate ability to draw basic shapes

Thought Processes

Problem Solving:

- Introduce the use of problem solving as it relates to mathematics
- Application problems
- Label Patterns: (Patterns can be physical objects, pictures or events)
- Compare patterns and use words to express
- Sequence up to three items or events
- Recognize, complete, and extend patterns
- Introduce story problems (Orally)

Estimation:

- Practice estimation throughout the math curriculum (time, measurements, and operations)

Critical Thinking:

- Classify and sort
- Compare and contrast

Position/Classification:

- Top, bottom-circle
- Left, right--every book
- Inside, outside
- Heavier, lighter
- Tallest, shortest
- Color
- Size
- Above, below
- On, under
- Develops spatial visualization and logical reasoning
- Estimation
- Compare sets with same as, more than, less than