New York State Content Performance Indicators & Essential Skills Math Software

This document outlines the correlations between the Kindergarten New York State Content Performance Indicators and the Essential Skills math programs. The specific New York State Content Performance Indicators are noted on the left and are matched with the relevant Essential Skills program on the right. Where correlations are not exact, the difference is noted in brackets. Essential Skills programs correlate with 100% of the Kindergarten New York State Content Performance Indicators.

New York State Content Performance Indicators	Essential Skills Software CORRELATING PROGRAMS
Number Sense and Operations Strand	
Students will understand numbers, multiple ways of representing numbers, relationships among numbers, and number systems.	
Number Systems	
K.N.1 - Count the items in a collection and know the last counting word tells how many items are in the collection (1 to 10)	**Readiness Skills**
K.N.2 - Count out (produce) a collection of a specified size 1 to 10	**Readiness Skills**
K.N.3 - Numerically label a data set of 1 to 5	**Readiness Skills**
K.N.4 - Verbally count by 1's to 20	**Readiness Skills** (to 10) **Mastering Numeration 1** (to 100)
K.N.5 - Verbally count backwards from 10	**Mastering Numeration 1** (from 100)
K.N.6 - Represent collections with a finger pattern up to 10	**Readiness Skills**
K.N.7 - Draw pictures or other informal symbols to represent a spoken number up to 10	**Readiness Skills**
K.N.8 - Draw pictures or other informal symbols to represent how many in a collection up to 10	**Readiness Skills**

New York State Content Performance Indicators	Essential Skills Software CORRELATING PROGRAMS
K.N.9 - Write numbers 1-10 to represent a collection	**Readiness Skills**
K.N.10 - Visually determine how many more or less, and then using the verbal counting sequence, match and count 1-10	**Mastering Numeration 1**
K.N.11 - Use and understand verbal ordinal terms, first to tenth	**Mastering Numeration 2** (to 30)
Students will understand meanings of operations and procedures, and how they relate to one another.	
Operations	
K.N.12 - Solve and create addition and subtraction verbal word problems (use counting-based strategies, such as counting on and to ten)	**Mastering Numeration 1**
K.N.13 - Determine sums and differences by various means	**Mastering Numeration 1**
Algebra Strand	
Students will recognize, use, and represent algebraically patterns, relations, and functions.	
Patterns, Relations, and Functions	
K.A.1 - Use a variety of manipulatives to create patterns using attributes of color, size, or shape	**Readiness Skills**
K.A.2 - Recognize, describe, extend, and create patterns that repeat (e.g., ABABAB or ABAABAAAB)	**Readiness Skills**
Geometry Strand	
Students will use visualization and spatial reasoning to analyze characteristics and properties of geometric shapes.	
Shapes	
K.G.1 - Describe characteristics and relationships of geometric objects	**Patterning, Geometry & Data Management 1**
Students will identify and justify geometric relationships, formally and informally.	
Geometric Relationships	
K.G.2 - Sort groups of objects by size and size order (increasing and decreasing)	**Readiness Skills**

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Students will apply transformations and symmetry to analyze problem solving situations.	
Transformational Geometry	
K.G.3 - Explore vertical and horizontal orientation of objects	**Readiness Skills**
K.G.4 - Manipulate two- and three-dimensional shapes to explore symmetry	**Readiness Skills**
Students will apply coordinate geometry to analyze problem solving situations.	
Coordinate Geometry	
K.G.5 - Understand and use ideas such as over, under, above, below, on, beside, next to, and between	**Readiness Skills**
Measurement Strand	
Students will determine what can be measured and how, using appropriate methods and formulas.	
Units of Measurement	
K.M.1 - Name, discuss, and compare attributes of length (longer than, shorter than)	**Measurement 1**
K.M.2 - Compare the length of two objects by representing each length with string or a paper strip	**Measurement 1**
K.M.3 - Relate specific times such as morning, noon, afternoon, and evening to activities and absence or presence of daylight	**Measurement 1**
Statistics and Probability Strand	
Students will collect, organize, display, and analyze data.	
Collection of Data	
K.S.1 - Gather data in response to questions posed by the teacher and students	**Patterning, Geometry & Data Management 1**
Organization and Display of Data	
K.S.2 - Help to make simple pictographs for quantities up to 10, where one picture represents	**Patterning, Geometry & Data Management 1**
K.S.3 - Sort and organize objects by two attributes (e.g., color, size, or shape)	**Patterning, Geometry & Data Management 2**

New York State Content Performance Indicators	Essential Skills Software CORRELATING PROGRAMS
K.S.4 - Represent data using manipulatives	**Patterning, Geometry & Data Management 1**
Analysis of Data	
K.S.5 - Identify more, less, and same amounts from pictographs or concrete models	**Patterning, Geometry & Data Management 1**