Fayette County Preschool Math Concepts Planning Guide

	Number and Operations	Geometry	Patterns and Algebra	Measurement and Time	Data Representation and Probability
August	Baseline	Baseline	Baseline	Baseline	Baseline
September	• Imitate and counts in sequence to 5 and beyond. • Arranges sets of objects in one-to-one correspondence.	• Matches basic shapes. • Use 2-D shape vocabulary.	• Matches objects.	• Explores tools related to measurement and time.	• Explores data collection in a group setting.
October	• Understands that a single object is always "one" regardless of size, shape, and other attributes. • Counts concrete objects up to 5.	• Recognizes the position of objects.	• Sort objects by one or more attribute.	• Compares two objects.	• Explores data collection in a group setting.
November	• Rote counts to 10. • Uses math language to express quantity in everyday experiences (more/less, add/subtract, same/different). • Compares concrete quantities to determine which has more.	• Completes simple puzzles.	• Recognizes simple patterns.	• Compares and orders by size.	• Explores data collection in a group setting.
December	• Counts concrete objects up to 10. • Recognizes that a set of objects remains the same amount if physically rearranged.	• Recognizes 2-D shapes. • Introduce 3-D shapes.	• Describes objects by one or more attributes.	• Uses nonstandard tools to explore and measure.	• Explores data collection in a group setting.

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January	• Realizes that the last number counted is the total amount of objects.	• Recognizes parts of a whole. • Introduce 3-D shape vocabulary.	• Duplicates simple patterns.	• Explores, compares, and describes length, weight or capacity using nonstandard units.	• Explores data collection in individual or group setting.

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February	• Rote counts to 15. • Recognizes some numerals and associates number concepts with print materials in a meaningful way (0-5).	• Creates and duplicates shapes.	• Extends simple patterns.	• Uses standard tools to explore and measure.	• Explores data collection in individual or group setting.
March	• Recognizes some numerals and associates number concepts with print materials in a meaningful way (6-10). • Names and writes some numerals (0-5).	• Uses words that indicate directionality, order and position of objects.	• Creates original patterns (simple).	• Explores, compares, and describes length, weight, or volume using standard units.	• Explores data collection in individual or group setting.
April	• Recognizes some numerals and associates number concepts with print materials in a meaningful way (1-10). • Names and writes some numerals (6-10).	• Names shapes.	• Extends complex patterns.	• Shows awareness of simple time concepts (daily schedule, now/later, morning/ afternoon/ night, today/tomorrow/ yesterday).	• Explores data collection in individual or group setting.
May	• Rote counts to 20. • Names and writes some numerals (1-10).	• Describes shapes.	• Creates original patterns (complex).	• Categorizes and sequences time intervals and uses language associated	• Explores data collection in individual or group setting.

				with time in everyday situations.	

Resources:

- Kentucky Early Childhood Standards
- AEPS 3
- Mathematics: The Creative Curriculum Approach by Juanita V. Copley, Candy Jones, Judith Dighe