Everyday Mathematics

Pre-Kindergarten Grade-Level Goals   CCSS EDITION

Content Strand: Number and Numeration		
Program Goal	**Content Thread**	**Grade-Level Goal**
Understand the Meanings, Uses, and Representations of Numbers	*Rote counting*	Goal 1 Verbally count in sequence to 10 and beyond; develop flexibility in counting, including counting on and counting backward.
	Rational counting	Goal 2 Count objects with one-to-one correspondence and know the last counting word tells "how many."
	Place value and notation	Goal 3 Develop an awareness of numbers and their uses; associate number names, quantities, and written numerals; recognize and use different ways to represent numbers (for example, groups of objects or dots).
Understand Common Numerical Relations	*Comparing and ordering numbers*	Goal 4 Compare and order groups of objects using words such as more, fewer, less, same.

Content Strand: Operations and Computation		
Program Goal	**Content Thread**	**Grade-Level Goal**
Understand Meanings of Operations	*Models for the operations*	Goal 1 Solve and create number stories using concrete modeling; explore part-whole relationships (for example, 5 is made of 2 and 3).

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Content Strand: Data and Chance		
Program Goal	**Content Thread**	**Grade-Level Goal**
Select and Create Appropriate Graphical Representations of Collected or Given Data	*Data collection and representation*	Goal 1 Collect and represent data in a variety of ways, focusing on concrete and pictorial representations.
Analyze and Interpret Data	*Data analysis*	Goal 2 Use graphs to answer simple questions.

Content Strand: Measurement and Reference Frames		
Program Goal	**Content Thread**	**Grade-Level Goal**
Understand the Systems and Processes of Measurement; Use Appropriate Techniques, Tools, Units, and Formulas in Making Measurements.	*Length, weight, and angles*	Goal 1 Distinguish and describe size attributes, including length, weight, and capacity or volume; compare objects according to various size attributes.
Understand the Systems and Processes of Measurement; Use Appropriate Techniques, Tools, Units, and Formulas in Making Measurements	*Units and systems of measurement*	Goal 2 Become familiar with standard measuring tools and their uses; begin to understand the concept of measurement units and the idea that measurement can be quantified.
	Time	Goal 3 Sequence familiar events in time.

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THE UNIVERSITY OF
CHICAGO
SCHOOL MATHEMATICS PROJECT

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Content Strand: Geometry		
Program Goal	**Content Thread**	**Grade-Level Goal**
Investigate Characteristics and Properties of Two- and Three-Dimensional Geometric Shapes	*Plane and solid figures*	Goal 1 Recognize and describe basic 2-dimensional geometric shapes; explore the relationships between basic 2-dimensional and 3-dimensional shapes.
Apply Transformations and Symmetry in Geometric Situations	*Transformations and symmetry*	Goal 2 Recognize and describe the position and location of objects; use spatial reasoning in concrete tasks, such as putting together puzzles and creating collages and block structures.

Content Strand: Patterns, Functions, and Algebra		
Program Goal	**Content Thread**	**Grade-Level Goal**
Understand Patterns and Functions	*Patterns and functions*	Goal 1 Recognize and match attributes of objects, such as size, shape, and color; use rules to sort objects; use rules to create and extend repeating patterns.