

Math Resource Guide for the Daily Routine

“Mathematical experiences for very young children should build largely upon their play and the natural relationships between learning and life in their daily activities, interests, and questions.”

--Clements (2004b, p. 59)



Math Resource Guide for the Daily Routine – Overview

- Children use math every day without realizing it.
- Simple age-appropriate activities such as putting puzzles together or asking, “Who is older?” is emerging math.
- The following documents will support teachers in setting the stage for math to be occurring in all components of the daily routine.






Math Resource Guide for the Daily Routine

DAILY ROUTINE	New HighScope Curriculum, Mathematics Reference for Math Development and Strategies							
Arrival/Greeting Time			p. 6-9, 36-37, 52-54		p. 96			
Message Time								
Meal Times					p. 2, 78, 99			
Planning and Recall					p. 46, 70, 74, 84	p. 208 – 223 (note Math ideas)		
Small Group		p. 59 - 77			p. 16, 22, 24, 28, 30, 32, 34, 38, 42, 50, 52, 54, 56, 58, 68, 80, 82, 86, 88, 90, 93, 102, 110, 112, 114, 116, 118		p. 47, 50, 53, 59, 62, 65, 67, 69, 72	p. 20,24-30, 34, 38-46, 50, 52, 56-60, 64-68, 72-84, 90-98, 102-104, 110-112, 114-116, 124, 128, 164, 176-178, 188, 198, 220




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DAILY ROUTINE	New HighScope Curriculum, Mathematics Reference for Math Development and Strategies	Starters for Group Times	From Message to Meaning	50 Large-Group Activities for Active Learners	The Other "You Are One" Math in the Preschool Classroom	Play-Go-Review	Small-Group Times to Scaffold Early Learning	100 Small-Group Activities
Large Group				p. 16, 18, 28, 38, 56, 20, 80, 86, 94, 96, 100, 102, 108	p. 18, 60, 62, 66, 72, 93, 104, 108			p. 154
Work Time					p. 82, 96			
Clean up Time					p. 40, 48, 76, 78			
Outside					p. 26, 32, 36, 38, 48, 52, 64, 66, 78, 80, 110			p. 146, 156
Transitions					p. 78			
Rest Time								
All Parts of Day					Field trip/SGT p. 106			

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DAILY ROUTINE					
Arrival/Greeting Time	p. 14, 21, 22, 23				
Message Time	p. 40				
Meal Times	p. 70				
Planning and Recall					
Small Group	p. 49-50			p. 6, 12, 18, 22, 64-65, 68-69, 70-71, 72-73, 80-81, 86-87, 92-93, 94-95	

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DAILY ROUTINE					
Large Group		p. 16-17, 20-21, 37-38, 40-42, 85-87	p. 6, 12, 18, 22, 64-65 68-69, 70-71, 72-73, 80-81, 86-87, 92-93, 94-95		
Work Time					
Clean up Time	p. 95-103				
Outside	p. 51-52				
Transitions					
Rest Time	p. 52-59				
All Parts of Day	p. 70-74, p. 78-82				

Math Scope and Sequence

HighScope Resources

	<p>50 Large Group Activities For Active Learners</p>		<p>Movement in Steady Beat</p>
	<p>100 Small-Group Experiences</p>		<p>Movement Plus Rhymes, Songs and Singing Games</p>
	<p>From Meaning to Message</p>		<p>(The) New HighScope Preschool Curriculum - Mathematics</p>
	<p>Helping Your Young Child Learn About Mathematics</p>		<p>New York State Pre-K Foundation for Common Core</p>
	<p>"I Know What's Next!" Preschool Transitions Without Tears or</p>		<p>Numbers Plus Preschool Mathematics Curriculum Kit</p>
	<p>"I'm Older Than You. I'm Five!" Math in the Preschool Classroom</p>		<p>Setting Up the Preschool Classroom</p>
	<p>Lesson Plans for the First 30 Days</p>		<p>Small-Group Times to Scaffold Early Learning</p>
	<p>Making the Most of Plan, Do, Review</p>		<p>Story Starters for Group Times</p>



Children's Books with Math Content

Title	Author
10 Minutes till Bedtime	Peggy Rathmann
10 Little Rubber Ducks	Eric Carle
26 Letters and 99 Cents	Tana Hoban
123 NYC A Counting Book of New York City	Joanne Dugan
A Pair of Socks	Matthew Stewart
A String of Beads	Margarette Reid
Anno's Counting Book	Mitsumasa Anno
Bear in a Square	Stella Blackstone
Beep Beep Vroom Vroom	Stuart Murphy
Benny's Pennies	Pat Brisson
Big Bigger Biggest	Nancy Coffelt
Big Fat Hen	Keith Baker
Brown Rabbits Shape Book	Alan Baker
Can You Count Ten Toes	Lezlie Evans
Captain Invincible and the Space Shapes	Stuart Murphy
Chicka Chicka 1 2 3	Bill Martin
Color Farm	Lois Ehlert
Color Zoo	Lois Ehlert
Count and See	Tana Hoban
Counting Crocodiles	Judy Sierra
Cubes, Cones, Cylinders & Spheres	Tana Hoban
Dog's Colorful Day	Emma Dodd
Every Buddy Counts	Stuart J. Murphy
Fish Eyes: A Book You Can Count On	Lois Ehlert
Five Little Monkeys Sitting in a Tree	Eileen Christelow
Goldilocks and the 3 Bears	Paul Galdone
Good Night Moon 1 2 3	Margaret Wise Brown
Hannah's Collections	Marthe Jocelyn
How many Snails	Paul Giganti
I Spy Numbers	Jean Marzollo
Inch by Inch	Leo Lionni
Is it Larger? Is it Smaller?	Tana Hoban
Jack the Builder (Math Start)	Stuart J. Murphy
Just Enough Carrots	Stuart J. Murphy

Children's Books with Math Content

Title	Author
Let's Count	Tana Hoban
Let's Count It Out, Jesse Bear	Nancy Carlstrom
Max Found Two Sticks	B. Pinkney
Miranda's Day to Dance	Jackie Jasina Schaefer
More, Fewer, Less	Tana Hoban
More or Less a Mess	Sheila Keenan
Mouse Went Out to Get a Snack	Lyn Rossiter McFarland
Mouse Shapes	Ellen Stoll Walsh
Norman Rockwell's Counting Book	Glorina Taborin
One Duck Stuck	Phyllis Root
Over in the Meadow	Ezra Jack Keates
Pizza Counting	Christina Dobson
Quack and Count	Keith Baker
Rabbit's Pajama Party	Stuart J. Murphy
Roar! A Noisy Counting Book	Pamela Edwards
Round is a Mooncake	Roseanne Thong
Shape of Things	Dayle Ann Dodds
So Many Circles, So Many Squares	Tana Hoban
Shapes, Shapes, Shapes	Tana Hoban
Ten Black Dots	Donald Crews
Ten Nine Eight	Molly Bang
Ten Red Apples	Pat Hutchins
The Best Bug Parade	Stuart J. Murphy
The Button Box	Margarette S. Reid
The Cheerios Counting Book	Barbara McGrath
The Doorbell Rang	Pat Hutchins
The Line Up Book	Marisabrina Russo
The Shape of Things	Dayle Ann Dodds
The Quilt	Ann Jonas
There Were Ten in the Bed	Karen Young
Tough Boris	Mem Fox
Under, Over, and Through	Tana Hoban
When a Line Bends A Shape Begins	Rhonda Gowler Green
Who Sank the Boat	Pamela Allen