

Math at Home: Early Learning Introduction for Families with Children Present

Time	Task	Materials	Stations
45 mins. before event	Set up: presentation equipment, registration table, arrange tables, chairs or desks in groups for 4-6 participants	Sign-in sheet, nametags, <i>Early Learning: Math at Home</i> booklets, table kits (pencils, highlighters, small stickie notes), laptop, projector, screen, doc. Camera, a collection of things to count, math literature books, and boxes	
	<ul style="list-style-type: none"> • When children are present at the meeting keep the activities interactive and the Power Point and talking to a minimum. • Possible adjustments to the seating arrangements: <ol style="list-style-type: none"> 1. Have children sit at the table or grouping of chairs with their parents. Provide a collection of things to count and sort, some math literature books and/or _____ . 2. Invite the children to sit on a rug or gather some chairs in the front of the room. Model the activities to the group of children 3. Set up stations with a variety of activities around the room. Encourage families to travel from station to station performing the tasks at each station. 	<ol style="list-style-type: none"> 1. Things to count, e.g. linker cubes, counting bears, counting dinosaurs, pattern blocks, shells, math literature books, etc. 2. Objects for counting, Math literature books, assorted boxes, 3. Sign with directions for each activity. Materials for each station: objects for counting, a variety of boxes, math storybooks, paper and crayons 	

Time	Task	Materials	Stations
10 mins.	<p>Welcome</p> <ul style="list-style-type: none"> • Facilitator welcome and introduction • Participant introductions in table groups <ul style="list-style-type: none"> ▪ Name, child's age, one thing you do to encourage math learning and problem solving 	Power Point slides	
4 mins.	<p>Opener – first positive early experiences</p> <ul style="list-style-type: none"> • “Clap Like Me” or “Follow Me” (p. 11) 	p. 11 <i>Early Learning: Math at Home</i>	Station #1 Clap Like Me
6 mins.	<p>Brief history of the document <i>Early Learning: Math at Home</i></p> <ul style="list-style-type: none"> • Going beyond arithmetic – read box on p. 19 	<i>Early Learning: Math at Home</i> booklets	
10 mins.	<p>Playing and doing math</p> <ul style="list-style-type: none"> • Each group discusses ways to use boxes to teach early math concepts • Share a few of the ideas <ul style="list-style-type: none"> ▪ Possibilities: ordering by size, sorting types, discussing shapes, building, stacking, nesting, etc. 	Variety of boxes for each small group e.g., cereal boxes, cracker boxes, etc.	Station #2 Collection of boxes
10 mins	<p><u>Talk Math</u></p> <ul style="list-style-type: none"> • Use everyday opportunities to discuss location, direction, distance, time, money, quantity, shapes and their relationships • Rote counting (rote number sequence) vs. rational counting (1 – 1 correspondence, one number for each object) • Show video of an adult interactively counting with a young child • Read box on p.13 opportunities for counting 	Video of an interactive, carefree counting situation	Station #3 Objects to count or sort, small containers

Time	Task	Materials	Stations
10 mins.	Virtual geometry “walk” <ul style="list-style-type: none"> • Find and sketch shapes that are seen in the room • Share one picture with the table group 	Blank paper, pencils	Station #4 plain paper and crayons
10 mins.	Math Stories <ul style="list-style-type: none"> • Supporting literacy and numeracy • Read an early numeracy book featuring counting or geometry 	Bibliography p. 13 <i>Fiesta</i> - Guy <i>Uno, Dos, Tres; One, Two, Three</i> – Mora <i>Feast for 10</i> - Falwell <i>Anno’s Counting Book</i> - Anno <i>Each Orange Had Eight Slices</i> - Giganti <i>The Very Hungry Caterpillar</i> - Carle <i>Animals on Board</i> - Murphy <i>Henry the Fourth</i> - Murphy <i>Shapes, Shapes, Shapes</i> - Hoban <i>The Shape of Things</i> - Dodds <i>Ten Black Dots</i> – Crews	Station #5 Math literature books
5 mins.	Closing <ul style="list-style-type: none"> • Encourage a daily 10 mins. of math in a natural environment through everyday interactions • Resolution to talk math to their child tomorrow • Tell a partner at their table what they plan to do • Thank the families for coming and participating 		