

Instructional Plan: Janine R. Groth, M.Ed.

Training Title	Math: Make it Fun, Make it Meaningful!
Competency-Based Learning Objectives	<p>3.2.6 Learning Environments, Planning Framework, Curriculum and Standards: Curriculum and Standards</p> <p>Participants will examine the scope and sequence of math for the early childhood years based on the core competencies and Texas PreK guidelines.</p> <p>3.2.10 Learning Environments, Planning Framework, Curriculum and Standards: Curriculum and Standards</p> <p>Participants will create math activities that modify and extend lessons to meet the needs of children and deepen their understanding of topics they show interest in.</p> <p>4.4.4 Supporting Skill Development: Mathematics</p> <p>Participants will demonstrate math activities and lessons that support the emergence of mathematical thinking with high fidelity.</p> <p>4.4.7 Supporting Skill Development: Mathematics</p> <p>Participant will differentiate between observational and assessment tools to collect data to adapt activities and provide targeted math instruction to small groups and individual children.</p> <p>4.4.10 Supporting Skill Development: Mathematics</p> <p>Participants will assess the uses of a variety of age-appropriate techniques consistent with state early learning guidelines to support mathematical thinking: counting, sorting, patterning, measurement, adding and subtracting, recognizing number in print, geometry and special sense.</p>
Description of Target Audience	Administrators and ECE Caregivers for the ages of 2 yrs and up
Benefits to Target Audience	Math is such an important foundation to our children's cognitive growth. Secondary to literacy, math is a key predictor of success in school. Participants will learn the progressions of math that help lead students to long term, concrete understanding. Teachers need the ability to create theme-based, hands-on math activities as an essential part of a successful lesson plan. Even when a school has a purchased curriculum, teachers need to supplement the lesson plan to meet the individual classroom's needs. Confidence in the methods and applications will be reinforced by a well-rounded workshop of active participation by the attendees.

Training Methodologies/ Strategies Utilized	Individual Work Reflection Large Group Discussion Powerpoint Lecture Compare/Contrast Small Group Work Share Video Work Sample Large Group Handout Review Creative Hands-on Individual Goals		
Sequence of Training	Content	Methods/Activities	Time Allotment
	Welcome/Intro		5 m
	Minute Math	Individual Work Reflection Large Group Discussion	10 m
	Comparison of Math Standards	Powerpoint Lecture Compare/ Contrast	30 m
	Content Categories	Small Group Work Share	15 m
	Piaget's Contributions	Lecture Video	30 m
	Math Observation and Assessment	Work Sample Large Group Discussion	20 m
	Teachers should...	Handout Review	20 m
	Activity Exporation	Powerpoint Lecture Work Sample	15 m
	Cooperative Learning Group	Small Group Work Creative Hands-on Share	45 m
	How do you make it meaningful?	Individual Goals Review Closure	20 m

	Total Length	3.5 hrs
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