

## KOHL CHILDREN'S MUSEUM OF GREATER CHICAGO

### Early Math Education Initiative

*Integrating Math Concepts into Informal Learning Environments*

### A Professional Development Opportunity

### FACT SHEET

2019-2020

The Kohl Children's Museum is seeking home and center based childcare providers to participate in a professional development training focusing on early math concepts with young children. In collaboration with Erikson Institute, Kohl Children's Museum, will provide childcare providers with professional development workshops and resources that support Algebraic Thinking, Measurement, Shapes and Spatial Relationships in informal learning environments such as museums, parks, nature centers and zoos. The program includes three professional development workshops, a child-centered interactive activity in the home or center classroom, a focused field trip at Kohl Children's Museum and an Early Math Symposium at the Kohl Children's Museum.

#### Focus

To effectively use informal learning environments to expand early mathematics concepts in home and center based childcare programs.

#### Audience

Family and Center based childcare providers serving at least 40% of children receiving Illinois DHS Child Care Assistance.

#### Application Procedures

All childcare providers/teachers must submit an application to Kohl Children's Museum by Monday, August 5<sup>th</sup> (See attached application)

#### Activities provided through program:

1. **Three Professional Development Workshops at Kohl Children's Museum**  
Participants must attend three professional developments from 9:00 a.m.-3:00 p.m. on: **October 19<sup>th</sup> | December 7<sup>th</sup> | March 21<sup>st</sup>**  
  
★ To receive the **15 Gateway Contact hours, you must attend all three workshops.**
2. **Math Resource/Materials**  
Each provider will receive a math resources to assist them in the integration of Algebraic Thinking, Measurement Shapes and Spatial Relationships in their programs. The resources will consist of children's books, manipulatives, and pre and post extension activities to conduct in the classroom. They will also receive a Big Idea's in Early Mathematics book related to mathematic concepts.

3. **Evaluation and Assessment**  
Participants are required to complete staff development evaluations, pre and post surveys, provide feedback from families through surveys and workshop evaluations.
  
4. **One In-School Museum Experience and One Focused Field Trip:**
  - In-School Museum Experience: Participants are required to schedule a hands-on workshop exploring algebraic thinking at their home or center.
  - Focused Field Trip: Participants are required to schedule and accompany their children to a hands-on workshop exploring shapes at Kohl Children's Museum. The field trip and transportation fees will be paid through the program.
  
5. **Math Symposium: February 1, 2020 (4:00 p.m.-7:30 p.m.)**
  - The Math Symposium will provide the opportunity for childcare providers to showcase their project and achievements, as well as attend talks and participate in group discussion. The Symposium will help foster a sense of community among participants, regardless of their childcare center/homes geographic location. As well as an appreciation for the value of the program. This will all lead to a sustained integration of math concepts in everyday learning experiences. Participant must attend the Early Math Symposium in order to receive an additional 3 Gateways Contact Hours.
  
6. **Family Night: March 28, 2020 (4:00 p.m.-7:30 p.m.)**
  - Participants and families are invited to a Math Extravaganza Family Night at Kohl Children's Museum. Bus/transportation fees, if needed, will be paid for by the museum. (Providers are required to schedule the buses and submit paperwork for funding.)

## Funding Overview

Project Pays For...
Field Trip Fees
Transportation Fee for field trip & Family Night
Big Idea's in Early Mathematics Book
Math Resource Materials

## Contact Information:

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THE PLACE WHERE AWESOME LIVES

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Applicant's Name: \_\_\_\_\_

Applicant's Email: (communication is mainly through email):
\_\_\_\_\_

Name of teacher(s) or assistant(s) in your classroom: (if they are also applying)
\_\_\_\_\_

Site Name: \_\_\_\_\_

Site Address: \_\_\_\_\_ City: \_\_\_\_\_

Zip code: \_\_\_\_\_ County (only Cook and Lake county are eligible): \_\_\_\_\_

Site Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Center Director Name (if applicable) \_\_\_\_\_

Home Address: \_\_\_\_\_ City: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Home/Cell Phone Number: \_\_\_\_\_

Student's age level: [ ] 1-2 years [ ] 3-5 years [ ] 6-8 years

Number of students in your care:

(a.m.) \_\_\_\_\_ (p.m.) \_\_\_\_\_ OR \_\_\_\_\_ (full day program) \_\_\_\_\_

Number of children in DHS Child Care Assistance Program: \_\_\_\_\_

(40% or more of children must be receiving assistance to be eligible for the grant)

Please list the instructional language(s) spoken with your students:

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Are you involved in any other initiatives? Please list

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Explain why you should be selected for participation in this program (use a separate sheet of paper to expand if needed).

*I should be selected for this grant program because...*

How did you hear about the Early Math Initiative?

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**PARTICIPANT REQUIREMENTS:**

- Three Professional Development Workshops (Saturdays):**  
Participants must attend all three professional developments **October 19<sup>th</sup>**, **December 7<sup>th</sup>** and **March 21<sup>st</sup>** at Kohl Children’s Museum in Glenview, IL. 15 Gateways Contacts Hours will be provided at the end of the Professional Development

**Your attendance for the 3 full day of trainings, and completion of journals is required to receive the 15 Gateway Approved credit hours.**
- One Early Math Symposium; February 1, 2020:** Participant must attend the Early Math Symposium. The Symposium will provide the opportunity for childcare providers to showcase their project and achievements, as well as to attend talks and participate in group discussion. 3 Gateways Contacts Hours will be provided at the end of the Symposium.

3. **One Family Night:** Participants and families will participate in a family night on **March 28, 2020**. Bus/transportation fees, if needed, will be paid for by the museum. (Providers are required to schedule the buses)
4. **Evaluation and Assessment:** Participants are required to complete staff development evaluations, pre and post surveys, family surveys and workshop evaluations.
5. **Use Math Manipulatives Resources:** Each provider will receive a manipulatives math kit to assist them in the integration of Algebraic Thinking, Measurement, Shape and Spatial Relationships in their programs.
6. **Schedule and attended One In-School Museum Experience and One Focused Field Trip:**

**In-School Museum Experience:** Participants are required to schedule a hands-on workshop exploring algebraic thinking at their home or center

**Focused Field Trip:** Participants are required to schedule and accompany their children to a hands-on workshop exploring measurement at Kohl Children's Museum. The field trip and bus fees will be paid for through the program.

Are you committed to participate in the activities listed above?  Yes  No

**Applications are due no later than August 5<sup>th</sup>, 2019**

\_\_\_\_\_  
Childcare Provider's Signature

Date: \_\_\_\_\_

Please e-mail, mail or fax this form to Natalia Ruiz  
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