



The ECSTEM Conference & The Children's Center at Caltech  
Professional Development Division Presents

## 2024 Summer Educator Workshops

# the children's center at caltech

Thank you for your interest in **The Children's Center at Caltech**. Since 1972, we have been offering high quality child care and education for children ages six months to six years. In 2000, our research led us to adopt STEM (Science, Technology, Engineering and Mathematics) curricula as a focus of our early childhood program. As leaders in STEM Early Childhood education, we launched ECSTEM ([www.ecstem.org](http://www.ecstem.org)) in 2011, and began hosting an annual conference bringing together educators, policy makers, researchers and other vested community stakeholders to address the needs of our youngest citizens. Contact information: [ecstem@caltech.edu](mailto:ecstem@caltech.edu) | 626.395.6860

Due to the overwhelming demand for tours of our facilities, and requests for professional growth workshops, we have formed a **Professional Development Division (PDD)** that arranges tours, on-site visits and workshops.

### Sing, Play, Bounce and Wiggle

### Infant Attachment

### Mathematics in Early Childhood

The workshop will awaken, develop, and refine innate musicality through STEM based music and movement activities for early childhood years. The session will encourage to build a strong foundation for future development of language, social-emotional, and motor skills for young children by introducing ear-training, singing games, solfege, finger plays, song-tales, echo songs, folk dance, playing patterns on non-pitched percussion instruments and pitched barred instruments.

By fostering secure attachments through responsive caregiving and creating a nurturing environment, caregivers lay the groundwork for children's overall development and well-being. The benefits of secure attachment extend far beyond infancy, influencing a child's future relationships, mental health, and ability to navigate life's challenges. You'll see how the infant teachers at the CCC create secure bonds using primary caregiving and attachment theory.

What we know from research is that we are all hardwired with innate mathematical abilities from birth. In this workshop, you'll discover how early math skills lay the foundation for future academic success, enhance critical thinking, and promote problem solving. Come away feeling more confident in your own math abilities and with practical strategies to integrate math into your classroom seamlessly, making math fun and meaningful for young children.

Saturday, June 22, 2024 (9-12pm)  
Presenter: Dayita Datta,  
Music Specialist

Saturday, July 20, 2024 (9-12pm)  
Presenter: Cindy Antuna,  
Infant Lead Teacher

Saturday, August 17, 2024 (9-12pm)  
Presenter: Olivia Garcia,  
Associate Director

NAME: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

I would like to schedule:

June 1<sup>st</sup> (\$75/person)

July <sup>th</sup> (\$75/person)

August <sup>th</sup> (\$75/person)

Total #attending \_\_\_\_\_ x \$75

Total Due: \$ \_\_\_\_\_

Please select the following that apply:

- STUDENT(S)
- TEACHER(S)
- COLLEGE FACULTY
- PROGRAM DIRECTOR /ADMINISTRATOR(S)
- CONSULTANT
- INFANT/TODDLER
- ADDITIONAL NAMES OF ATTENDEES

\_\_\_\_\_

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Please complete this registration form and mail along with payment to:

The Children's Center at Caltech, 1200 E. California Blvd. MC 1-133, Pasadena, CA 91125 Attention: PDD

Or email the form to [ecstem@caltech.edu](mailto:ecstem@caltech.edu) and for credit card payments: call 626.395.6860