



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

2025 Spring 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 the **Early Childhood STEM Conference (ECSTEM)** and the **Professional Development Division (PDD)** that arranges tours, on-site visits and workshops.

[Making Math Meaningful](#)

March 15th, 2025

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.

Presenter: Melissa Samples, STEM Curriculum Coordinator

[Musical Pathways to STEM](#)

April 26th, 2025

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.

Presenter: Dayita Datta, Music Specialist

[Engineering Design Process](#)

May 17th, 2025

The Engineering Design Process is a tool children use in their daily lives. In this workshop, you will follow us through a diverse curriculum tied together by scientific inquiry and art while providing young children opportunities to exercise their problem solving skills.

Presenter: Jose Osorio, Lead Teacher

Register with the QR code
or visit ccc.caltech.edu

\$75 per workshop or receive
a discounted rate when
registering for all 3!



Workshops are held on
Saturdays from 9 am to 12 pm.

Tour and professional
development certificate
included.