

## Exploring the Big Ideas in Early Mathematics:

### A Training Series for Early Childhood Teachers in Hawaii – Year 8

(For classroom teachers of children ages 3 to 6 years old)

AKA **KEIKImath23**



Erikson Institute, the nation's premier graduate school in early childhood development, in partnership with Chaminade University of Honolulu and the Harry and Jeanette Weinberg Center for Early Education and Development (CEED), offers a yearlong professional development series designed to deepen teachers' understanding of children's mathematical development. A big MAHALO to the Samuel N. and Mary Castle Foundation for sponsoring this program for early educators in Hawaii. Over 120 teachers have participated in the previous 6 cohorts

Through face-to-face learning labs, live web-labs, and an online community of practice, teachers will engage in hands-on/minds-on exploration of important mathematical ideas, children's learning progressions for concepts, and how adults can scaffold children's developing thinking and communication skills.

Teachers will build math understanding through investigations, video analysis, children's literature, and discussion with colleagues. After each session, you will use what you are learning in your own classrooms and gather evidence of children's mathematical thinking.

#### Each session focuses on different areas of early math:

	Session Titles	Date ( <i>All Saturdays</i> )	Times	place
1	SETS: Putting Together What Goes Together NUMBER SENSE: What is It? How Does It Begin?	January 7, 2023	6 hours 9 am - 4 pm	CEED, Oahu (everyone)
2	COUNTING: Not as Easy as 1-2-3 NUMBER OPERATIONS: All Operations Tell a Story	March 4, 2023	2 hours 9 - 11 am	remotely by Zoom
3	PATTERN: Finding Structures	April 29, 2023		
4	MEASUREMENT: What Kind of "Big" is It?	August 26, 2023		
5	DATA ANALYSIS: Asking & Answering Questions	October 21, 2023		
6	GEOMETRY: Spatial Relationships & Shapes CELEBRATION of Learning	December 9, 2023	6 hours 9 am - 4pm	CEED, Oahu (everyone)

## Online Community of Practice: Engagement throughout the Program Year

Erikson Facilitators will support teachers in developing an online community of practice with their Hawaii colleagues: a place where teachers can respond to facilitator prompts, post photo and video evidence of practice, and discuss growth and change in practice.

## Sharing: A Celebration of Learning

As part of the final day of face-to-face learning labs, teachers will share a documentation panel about shifts made in their understanding of early math.

## KEIKImath23 Participants receive:

- A copy of *Big Ideas of Early Mathematics: What Teachers of Young Children Need to Know*
- Children's books & other materials to support mathematical thinking.
- Ongoing professional advice in an online community of practice
- Close work with expert facilitators from Erikson Institute and committed colleagues in Hawaii

## KEIKImath23 Leaders



Currently director of Erikson's Early Math Collaborative, **Lisa Ginet, EdD**, has spent more

than three decades as a professional educator in various positions (classroom teacher, child care provider, parent educator, home visitor, teacher trainer, adjunct faculty) in diverse settings (child care centers, elementary and middle schools, family resource agency, family child care home, community college, private university). In all her roles, she has worked to engage children in active and meaningful learning, to support families as their children's first and closest teachers, and to involve educators in reflective and practical dialogue to help improve their teaching/caregiving.



**Veronica Castro, MS**, earned her bachelor's degree in Early Childhood Studies at Northern Illinois

University and her master's degree in Early Childhood Teaching from Erikson Institute. She taught for 8 years in bilingual classrooms across Chicago from pre-k through 3rd grade before becoming a math coach with Erikson's Early Math Collaborative in 2010. Since then, she has discovered a new appreciation for math and continues to develop as a mathematician alongside the teachers and students that she has the privilege to work with.



**Erin Reid, PhD**, began her career working in Head Start classrooms and private childcare programs before

transitioning to higher education where she designed and delivered targeted math interventions to young children, provided math coaching to early childhood educators, and engaged in research examining the impacts of high-quality professional development on teacher and child outcomes. Her work with Erikson's Early Math Collaborative, where she is Associate Director of Research, has been transformative in how she understands and supports the teaching and learning of mathematics in early childhood classrooms.



Please apply here - <https://forms.gle/FwKiajSb4LESrvAt6> - by November 13, 2022

Accepted participants will be notified by November 18.

Please feel free to share this flyer.

### Training Series Partners:

HARRY & JEANETTE WEINBERG  
Center for Early Education and Development

KCAA  
PRESCHOOLS OF HAWAII



Erikson  
Institute  
Early Math  
Collaborative