

Exploring the Big Ideas in Early Mathematics:

A Training Series for Early Childhood Teachers in Hawaii – Year 7!

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

AKA **KEIKImath22**



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 8, 2022	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 5, 2022	2 hours 9 - 11 am	* CEED (Oahu participants) or remotely by Zoom (neighbor island participants)
3	PATTERN: Finding Structures	May 7, 2022		
4	MEASUREMENT: What Kind of "Big" is It?	August 27, 2022		
5	DATA ANALYSIS: Asking & Answering Questions	October 22, 2022		
6	GEOMETRY: Spatial Relationships & Shapes CELEBRATION of Learning	December 10, 2022	6 hours 9 am - 4pm	* CEED, Oahu (everyone)

* All events at CEED are subject to COVID-19 protocols and restrictions. If necessary, some may be moved to Zoom.

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.

KEIKImath22 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

KEIKImath22 Leaders



Currently the director of Erikson Institute's Early Math Collaborative, **Lisa Ginnet, 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.



Donna Johnson, MS, works with the Early Math Collaborative to provide support for coaches who help teachers enhance their math content knowledge and reflective teaching practice. Though she holds bachelor's and master's degrees in mechanical engineering from the Illinois Institute of Technology, her passion for teaching and learning led her from engineering into education, where she has been involved in teaching children of all ages in nontraditional settings. She presents workshops that focus on children from birth to age eight.

Please [apply here](https://forms.gle/LQCvh7oiUwqLL1EB9) by Monday, November 22nd

(<https://forms.gle/LQCvh7oiUwqLL1EB9>)

Accepted participants will be notified by Friday, December 3rd. Please feel free to share this flyer.

Training Series Partners:

HARRY & JEANETTE WEINBERG
Center for Early Education and Development

KCAA
PRESCHOOLS OF HAWAII



**Erikson
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