Welcome!

While you wait for Teacher Time to begin, please:

• Introduce yourself in the chat box. Let us know who you are and what your position is. And...
• Let us know: What is your favorite strategy for supporting early math development in infants and toddlers?

“Early math is critical; children who are prepared have an advantage that carries far beyond the early years.”

High Five Mathematic, p. 2

TEACHER TIME:
Infant Toddler Cognition: Supporting Early Math
Upcoming: January 19, 2018
Hosts: Judi Stevenson-Garcia & Treshawn Anderson
Guest Experts: Doug Clements & Crystal Day-Hess
Chat Room Facilitator: Jan Greenberg

Adobe Connect Features

Chat Room Facilitator: Jan Greenberg
• Download supporting documents
• Raise your hand!
• Video note
• Complete evaluation
Cognition: Emergent Mathematical Thinking

- Early math skills predict later math skills ... and may be better predictors of academic success than early literacy skills!
- Infants and toddlers use math concepts and skills to make sense of their world.
- Using the language of math helps infants and toddlers build their vocabulary and communicate their ideas.
- Remember the ELOF goals and progressions!
Cognition: Emergent Mathematical Thinking

• Natural mathematicians
• Intuitive sense of number
• Awareness of similarities and differences is a foundational concept for sorting and classifying
• Playing with blocks lays the foundation for composing 3-dimensional shapes

Effective Practices

• Provide a variety of age-appropriate materials that support children’s explorations with one-to-one correspondence.
• Introduce vocabulary used to describe number and spatial concepts during routines, play, and other parts of the day.
• Point out how objects are the same and different in any way.
• Use fingerplays, songs, and stories.
• Use math talk to describe what children see and do.
• Organize the environment to help young children know where toys and materials belong.

Effective Practices

• Provide extra support for children with suspected delays or diagnosed disabilities.
• Use the language(s) you know best when engaging in math talk with the children in your group.
• Talk with parents about the many ways they already use math and math talk with their child and in their own lives.
• Talk with parents about opportunities during daily home routines to use math talk with their child.
Approaches to Learning

Consistent, responsive relationships help infants and toddlers:
• Focus and persist
• Use their initiative and curiosity to explore their environment

Ongoing Assessment

• Focused observation and intentional engagement
• Two-way communication
• Families are the best source of information

Ongoing Assessment

• Use to plan interactions and learning experiences.
• Use as way to engage with families about their children’s development.
• Share with others.
Links to Resources on ECLKC:
MyPeers
T4T
ELOF2GO
Effective Practice Guides on ECLKC