

2019-2020 TEACHER TIME  
LITTLE SCIENTISTS—EXPLORING MATH WITH INFANTS AND TODDLERS

**Viewer’s Guide**

This viewer’s guide helps you remember some key ideas for exploring MATH with infants and toddlers. It also has reflection questions and activities to stimulate your thinking about how you can support children’s math learning. You can also find additional resources in the Resources section of this guide.

**1. Little Mathematicians Video Reflections**



A. What did the adult do and say to help the children develop their sense of number and quantity? Did you hear other math language?



B. What else you might say or do to help these children explore matching and sorting?



C. What spatial language did you hear the adult use?

## 2. Using Learning Experiences and Opportunities to Support Math Learning

WRITE DOWN SOME IDEAS YOU WANT TO TRY—AND HOW THEY MIGHT FIT INTO THE CURRICULUM YOU'RE USING.

1.

2.

3.

4.

## 3. Turn Any Environment into a Math Learning Environment!

HOW DID THIS TEACHER TURN THE WATER PLAY TABLE INTO A MATH LEARNING ENVIRONMENT?  
WHAT MATH LANGUAGE DOES SHE USE AND HOW DOES SHE INVITE THE CHILD TO COMMUNICATE?



## Resources

### Online Resources

#### Birth to 3

- Bang! Squish! Leap! Supporting the A in STEAM with Infants and Toddlers  
<https://eclkc.ohs.acf.hhs.gov/video/bang-squish-leap-supporting-steam-infants-toddlers>
- ELOF Effective Practice Guide: Emergent Mathematical Thinking  
<https://eclkc.ohs.acf.hhs.gov/school-readiness/effective-practice-guides/emergent-mathematical-thinking>
- Math is Everywhere: Supporting Math Skills in Infants and Toddlers  
<https://eclkc.ohs.acf.hhs.gov/video/math-everywhere-supporting-math-skills-infants-toddlers>
- Math Learning Trajectories  
<https://eclkc.ohs.acf.hhs.gov/school-readiness/article/math-learning-trajectories>
- News You Can Use: Supporting Early Math Learning for Infants and Toddlers  
<https://eclkc.ohs.acf.hhs.gov/school-readiness/article/news-you-can-use-supporting-early-math-learning-infants-toddlers>
- Let's Talk About Math: Early Math Video Series (Zero to Three)  
<https://www.zerotothree.org/resources/series/let-s-talk-about-math-early-math-video-series>
- More, All Gone, Empty, Full: Math Talk Every Day in Every Way (NAEYC)  
[https://www.naeyc.org/yc/files/yc/file/201205/RockingAndRolling\\_YC0512.pdf](https://www.naeyc.org/yc/files/yc/file/201205/RockingAndRolling_YC0512.pdf)

#### Birth to 5

- 15-Minute In-Service Suites
  - Math: Number Recognition and Subitizing  
<https://eclkc.ohs.acf.hhs.gov/video/math-number-recognition-subitizing>
  - STEAM  
<https://eclkc.ohs.acf.hhs.gov/school-readiness/article/steam>
- Understanding STEAM and How Children Use It  
<https://eclkc.ohs.acf.hhs.gov/sites/default/files/pdf/steam-ipdf.pdf>
- Promoting Adult-Child Interactions that Support Higher-Order Thinking and Language Skills  
<https://eclkc.ohs.acf.hhs.gov/teaching-practices/article/promoting-adult-child-interactions-support-higher-order-thinking>
- High Five Mathematize  
<https://eclkc.ohs.acf.hhs.gov/publication/high-five-mathematize>
- Learning Trajectories [LT]2  
<https://www.learningtrajectories.org/>

## Resources

### Online Resources

#### Head Start Early Learning Outcomes Framework (ELOF)

<https://eclkc.ohs.acf.hhs.gov/school-readiness/article/head-start-early-learning-outcomes-framework>

- There's the ELOF for That (video)
- ELOF Interactive Framework
- ELOF2GO Mobile App
- MiELOF aplicación móvil (<https://eclkc.ohs.acf.hhs.gov/es/preparacion-escolar/articulo/aplicacion-movil-mielof-en-espanol>)
- Effective Practice Guides

#### MyPeers

<https://eclkc.ohs.acf.hhs.gov/about-us/article/mypeers-collaborative-platform-early-care-education-community>

- Teacher Time  
[https://mypeers.mangoapps.com/ce/pulse/user/teams/group/profile\\_view?project\\_id=876521](https://mypeers.mangoapps.com/ce/pulse/user/teams/group/profile_view?project_id=876521)

#### Research

- [\*Babies understand counting years earlier than believed\*](#)
- [\*Insights from the youngest minds\*](#)

