

2019-2020 TEACHER TIME  
LITTLE SCIENTISTS – EXPLORING MATH WITH PRESCHOOLERS

**Viewer’s Guide**

This viewer’s guide summarizes the key ideas for exploring math with preschoolers. It also has reflection questions and activities to stimulate your thinking about how you can foster children’s math learning. You can also find additional resources in the Resources section of this guide.

**1. Engaging Environments**

Write down some ideas that you have or that others have shared about open-ended, varied, and accessible materials

<p>FAVORITE OPEN-ENDED MATH MATERIALS</p>	
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<p>ACCESSIBLE MATH MATERIALS: WHAT AM I DOING WELL? WHAT DO I WANT TO IMPROVE?</p>	

## 2. LITTLE MATHEMATICIANS-PATTERNING VIDEO REFLECTIONS



What math concepts are children exploring? How does the teacher support their mathematical thinking?

## 3. LITTLE MATHEMATICIANS-GEOMETRY AND SPATIAL SENSE VIDEO REFLECTIONS



What did you learn from Dr. Clements? How did the teacher support the children's math thinking and learning?

## 4. L.A.B. NOTES

**L**earning  
**A**dvanced Vocabulary  
**B**eyond the book

What books or materials can you use in your environment to support meaningful learning opportunities?

## Resources

### Online Resources

- ELOF Effective Practice Guide: Cognition  
<https://eclkc.ohs.acf.hhs.gov/school-readiness/effective-practice-guides/cognition>
- 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>
- Teacher Time: Preschool Math Ideas-Hiding in Plain Sight-  
<https://eclkc.ohs.acf.hhs.gov/teaching-practices/teacher-time-series/preschool-math-ideas-hiding-plain-sight>
- Understanding STEAM and How Children Use It  
<https://eclkc.ohs.acf.hhs.gov/sites/default/files/pdf/steam-ipdf.pdf>
- How to Play in Nature: Math Ideas for Teachers  
<https://eclkc.ohs.acf.hhs.gov/video/how-play-nature-math-ideas-teachers>
- Math and the Preschool Child: High Five Mathematize  
<https://eclkc.ohs.acf.hhs.gov/video/math-preschool-child-high-five-mathematize>
- Math Learning Trajectories  
<https://eclkc.ohs.acf.hhs.gov/school-readiness/article/math-learning-trajectories>
- Algebra in the Early Years? Yes!  
<https://pdfs.semanticscholar.org/228b/df9e069362ec5afb56014c550fc26954b4b4.pdf>

## Resources

### Online Resources

#### MOBILE APPS

- Ready DLL Mobile App  
<https://eclkc.ohs.acf.hhs.gov/culture-language/article/ready-dll-mobile-app>
- Text4Teachers  
<https://eclkc.ohs.acf.hhs.gov/teaching-practices/article/text4teachers>

#### 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)

