


2019-2020 TEACHER TIME
LITTLE SCIENTISTS—EXPLORING ENGINEERING WITH PRESCHOOLERS

Viewer’s Guide

This guide is designed to help you reflect on the ways you can support engineering thinking and learning with preschoolers. Helpful resources and information presented in the webinar can be found in the Resources section of this guide.

1. Engaging Environments

	MATERIALS	FAVORITE MATERIALS	IDEAS
	Open-ended		
	Varied		
	Accessible		

2. Little Engineers

Video Reflections

2. VIDEO: BLOCK PATTERNS



How did this teacher support children's engineering thinking?

3. L.A.B. NOTES



Learning
Advanced Vocabulary
Beyond the book

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

4. CONNECTING THE ARTS AND ENGINEERING



Where do you have opportunities to connect the arts and engineering in your learning environment?

SHARE WITH YOUR TEACHING TEAM OR SUPERVISOR!

Resources

Online Resources

- 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-language-skills>
- Learning by Building: Engineering for Preschool Children - <https://eclkc.ohs.acf.hhs.gov/teaching-practices/teacher-time-series/learning-building-engineering-preschool-children>
- Design, Build, Try Again: Using Practice-Based Coaching to Support Teachers of Young Engineers - <https://eclkc.ohs.acf.hhs.gov/video/design-build-try-again-using-practice-based-coaching-support-teachers-young-engineers>
- Design Engineering Process - <https://eclkc.ohs.acf.hhs.gov/sites/default/files/pdf/no-search/teachertime-2-2015-followup2.pdf>
- Everyday Fun with Technology and Engineering: Let's Talk About STEM Video - <https://www.zerotothree.org/resources/1574-everyday-fun-with-technology-and-engineering-let-s-talk-about-stem-video>
- 15-minute In-service Suite, STEAM - <https://eclkc.ohs.acf.hhs.gov/school-readiness/article/steam>
- Click, Zoom, Buzz: Adding STEAM to Everyday Activities - <https://eclkc.ohs.acf.hhs.gov/teaching-practices/teacher-time-series-click-zoom-buzz-adding-steam-everyday-activities>
- Art and Storybooks: Ideas from STEAM - <https://eclkc.ohs.acf.hhs.gov/teaching-practices/teacher-time-series/art-storybooks-ideas-steam>
- Understanding STEAM and how children use it - <https://eclkc.ohs.acf.hhs.gov/sites/default/files/pdf/steam-ipdf.pdf>
- Effective Practice Guides - <https://eclkc.ohs.acf.hhs.gov/school-readiness/effective-practice-guides/effective-practice-guides>

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>

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