



**An Introduction to STEM in Preschool Library Programming:
What It Is, Why Do It, and How to Get Started
PART 1: Wednesday, June 12, 2019, 1:30-2:30 PM
Presented by Dr. Alissa A. Lange**

RESOURCE LINKS:

Science Resources:

EDC – article on starting science early: <https://www.edc.org/what-parents-talk-about>

NSF – report on STEM programming in libraries: <https://www.informalscience.org/projects/learn-experience/stem-learning-libraries>

Technology Resources:

TEC in Early Childhood Center – videos, books: <http://teccenter.erikson.edu/?s=library>

Fred Rogers Center – reports, training: <https://www.fredrogerscenter.org/initiatives/digital-media-learning/>

Engineering Resources:

Ramps and Pathways – videos, materials on physical science and engineering:
<https://regentsctr.uni.edu/ramps-pathways>

Engineering is Elementary (EiE) – curricula and afterschool engineering: <https://eie.org/>

Math Resources:

Young Mathematicians – math games and activities, book lists:

<http://youngmathematicians.edc.org/>

<http://youngmathematicians.edc.org/math-books/published-books/>

Mixing in Math – books, activities for programs: <https://mixinginmath.terc.edu/index.php>

DREME Network – professional development, videos, development: <https://dreme.stanford.edu/>

Erikson Institute’s Early Math Collaborative – videos, activities:
<https://earlymath.erikson.edu/series/focus-on-the-lesson/>

More Resources:

Teaching STEM in the Preschool Classroom by Alissa A. Lange, Kimberly Brenneman, and Hagit Mano:
<https://www.tcpres.com/teaching-stem-in-the-preschool-classroom-9780807761366>

FREE Online Early STEM Professional Learning Modules:
<https://pdg.grads360.org/#program/stem-in-early-childhood>

Bring in the families:
http://doearticulate.s3.amazonaws.com/Module%20Nine%20Connecting%20Families%20Around%20STEM%20-%20Storyline%20output/story_html5.html

Report – Engaging families in STEM: <https://globalfrp.org/Articles/Public-Libraries-Engage-Families-in-STEM>

Blog – STEM in Libraries: <http://www.starnetlibraries.org/uncategorized/connecting-with-stem-in-public-libraries/>

LIVING IDEABOOK, by Global Family Research Project: <https://medium.com/ideabook>

MASST Plans Available for free – coming Fall 2019: www.masstprogram.com

Join the EC STEM Lab mailing list: www.ecstemlab.com/contact-us.html

Recent reports highlighting the value of STEM in the early years:
McClure et al. (2017): <http://joanganzcooneycenter.org/publication/stem-starts-early/>

Early STEM Working Group (2017): <http://ecstem.uchicago.edu/>

Sarama et al. (2019): <http://cadrek12.org/research-says-early-learning-science-and-mathematics-matters>

Register for **PART 2: Wednesday, June 19, 2019, 1:30-2:30 PM**

Visit the link below to register today! <http://www.nysl.nysed.gov/libdev/earlylit/webinars.htm>

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