



1

Playful learning experiences that are joyful, meaningful, socially interactive, actively engaging, and iterative can promote deeper learning (Zosh et al., 2017).

2

Outdoor free play may support children's executive function (Koepp et al., 2022), which is a critical foundational skill for STEM learning.

3

Children engage in engineering learning while playing with blocks (Gold & Elicker, 2020).

CHILDREN LEARN THROUGH PLAY AND IN FACT, PLAY IS CRITICAL AND SUPPORTS CHILDREN'S JOYFUL, 'HANDS-ON' EXPLORATION AND LEARNING ACROSS ALL DOMAINS OF DEVELOPMENT (E.G., COGNITIVE, SOCIAL-EMOTIONAL, PHYSICAL, EXECUTIVE FUNCTION, LANGUAGE AND LITERACY, AND STEM).



WHAT CAN I DO TO CULTIVATE STEM EXPERIENCES FOR ALL?



STEM4EC Blog: [Mythbuster Series #4](#)



STEMIE Resource: [A Guide to Asking Open-Ended Questions](#)



The LEGO Foundation: [Learning Through Play](#)



Developmentally Appropriate Practice (DAP) Position Statement