



1

With intentional adult guidance, motor play has the potential to improve all children’s social, communication, pre-academic, and approach to learning skills (Yang & Ostrosky, 2023).

2

With adults’ support and scaffold (e.g., embedding STEM talk into storybook reading), children can engage in STEM understanding and thinking (David e al., 2021; Leech et al., 2020).

3

Adult-child interactions during block play may promote learning in spatial concepts (Ferrara et al., 2011)

**RESEARCH SUGGESTS THAT ADULT-GUIDED PLAY (E.G., SCAFFOLDING, INTENTIONAL TEACHING) IS EFFECTIVE FOR IMPROVING CHILDREN’S ACADEMIC ACHIEVEMENT AND QUALITY OF YOUNG CHILDREN’S PLAY.**



## WHAT CAN I DO TO CULTIVATE STEM EXPERIENCES FOR ALL?



**Follow the child’s lead and interests.**



**STEMIE Resource: A Guide to Teaching Practices**



**Developmentally Appropriate Practice (DAP) Position Statement**



**STEMIE Resource: A Guide to Asking Open-Ended Questions**



**STEMIE’s Discovery Play Activities With Your Young Child series**



**Video: Making STEM Happen for ALL Young Children**