



1

Universal Design for Learning (UDL) strategies can be used during STEM learning activities to support executive functioning (Vanhear et al., 2022).

2

Science and engineering-enriched contexts can foster children's executive function skills (Bustamante et al., 2018).

3

Engineering play is associated with the executive function skills of children with disabilities (Gold et al., 2021).

**STEM LEARNING  
BENEFITS CHILDREN'S  
EXECUTIVE  
FUNCTIONING, WHICH IS  
AN IMPORTANT  
PREDICTOR OF  
CHILDREN'S SUCCESS IN  
READING AND WRITING.**



WHAT CAN I DO TO CULTIVATE STEM EXPERIENCES FOR ALL?



[STEM4EC Blog: What Predicts Success in STEM...and School?](#)



[STEMIE's Storybook Conversations series](#)



[STEMIE's Learning Trajectories](#)

