



Nevada STEM Advisory Council List of Recommended STEM Programs February 2023

EiE FOR KINDERGARTEN

PROGRAM OVERVIEW

EiE® is the curriculum division of the Museum of Science, Boston. Our mission is to create a generation of future-ready, problem solvers through supplemental engineering and computer science curricula with hands-on, open-ended design challenges for students, and transformative professional development for educators. EiE® for Kindergarten's stand-alone engineering and computer science units all use a similar structure, and the lessons within each follow a predictable pattern. This predictability not only helps educators but also provides a structure that supports student learning. Each unit is introduced through a storybook about a pair of young engineers who are trying to solve a problem. After reading one chapter of the book, educators lead students through carefully designed, hands-on activities to help them learn more about the challenge. Chapter by chapter, students move through the design process along with the characters—exploring materials, imagining ideas, and planning, creating, and improving solutions.

TARGET GRADES

EiE for Kindergarten is designed for kindergarten students.

A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM

EiE® for Kindergarten provides everything you need to engage your youngest learners in STEM, including three standalone engineering (3) and computer science (1) challenges that can be taught in any order and follow a consistent structure that builds student confidence and mastery.

THE PROGRAM'S IMPACT ON STUDENTS

EiE for Kindergarten inspires ALL students to see themselves as problem-solvers in STEM by fostering collaboration, persistence, communication, decision-making, and problem-solving skills.

SPECIFIC SKILLS STUDENTS WILL LEARN

Collaboration; Persistence; Problem-solving; Communication; Innovation; Investigative; Social-emotional; Fine and gross motor; Executive functioning; and Language acquisition

RESOURCES PROVIDED TO EDUCATORS

With EiE® for Kindergarten, educators receive everything they need to implement our four design challenges, including print educator guide; digital educator resources; interactive digital storybook; rubrics; classroom printouts; visuals; sample solutions; unit summary charts, implementation tips, cross-curricular connection callouts; vocabulary lists; family letters; step-by-step material setup; lesson objectives; standards alignments; and classroom materials.

WEBSITE

<https://eiestore.com/engineering-grades-prek-8/eie-for-kindergarten.html>

CONTACT INFORMATION

Chuy Garcia | jgarcia@mos.org | 857-348-3701