EiE WEE ENGINEER

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. We know that an excellent early childhood education is critical to the long-term success of students, and that preschoolers are natural engineers. Wee Engineer consists of four design challenges, each divided into three activities. During a Wee Engineer challenge, teachers guide learners through an age-appropriate, three-step Engineering Design Process, and preschoolers have fun designing a technology with a function. Challenges are designed to help children practice skills they are already developing in social, emotional, physical, cognitive, and language domains, including: social-emotional learning; fine and gross motor developing, executive functioning; and language acquisition.

TARGET GRADES
Wee Engineer is designed for PreK learners.

A UNIQUE OR SPECIAL FOCUS OF THE PROGRAM
Wee Engineer provides everything you need to engage your youngest learners in STEM, including 4 unique design 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
Wee Engineer inspires ALL PreK 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 Wee Engineer, educators receive everything they need to implement our four design challenges, including print educator guide; digital educator resources; 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/wee-engineer-unit.html

CONTACT INFORMATION
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