



EiE[®] for Kindergarten



Open young minds to the world of engineering.

EiE for Kindergarten's simple, fun challenges enhance skills children are naturally developing at this age—in cognitive, emotional, physical, social, and language domains. These challenges build a strong foundation of transferable 21st century skills for success in elementary school and beyond.

An age-appropriate engineering design process (**Ask, Imagine, Plan, Create, Improve**) guides children through flexible, open-ended challenges. Children develop habits of mind that help them become better thinkers and problem solvers. Teachers also find that EiE for Kindergarten's model enriches their instruction.

As children follow our engineering design process to design a solution, they're empowered to see themselves as capable problem solvers. They learn to observe, evaluate different approaches, and recognize how failure can help them succeed.

KINDERGARTEN

IN SCHOOL

2  HANDS ON UNITS

NGSS
ALIGNED

Why start in kindergarten?

Kindergarten is an ideal time to introduce and explore age-appropriate engineering challenges that tap into children's blooming cognitive, social, physical, and language skills. Harness their curiosity, unlock their creativity, meet NGSS standards—and have fun!

Long before preconceptions about science, technology and “who can engineer” take hold, EiE for Kindergarten's carefully designed challenges connect with young learners' curiosity and creativity, preparing them to be confident STEM learners and lifelong problem solvers.

Specifically designed to tap into kindergarteners' abilities and interests

EiE for Kindergarten's hands-on units connect with other school subjects including science, English language arts, and math. Our units challenge students to explore important topics like energy, engineering design, and Earth and human activity. They'll design familiar technologies, such as shelters and trash collectors, to solve real-world problems.

Full-color illustrated storybooks introduce each lesson, feature engaging characters of the same age as students, and model relatable problems learners want to tackle.

Matching kindergarteners' attention spans, each story chapter introduces a hands-on classroom activity that keeps learners engaged with the longer-term goal of designing and improving solutions.

Learners develop their fine motor skills through age-appropriate activities such as cutting, taping, and folding. Meanwhile, class discussions boost their language abilities.



“ I imagine my students in 12 years telling their high school guidance counselor that they want to go into engineering, fully confident they can do it because they started all the way back in kindergarten. More than any other curriculum I've ever taught, I believe that engaging in [EiE for Kindergarten] will continue to open doors for my students throughout their educational careers and their lives. ”

KELLY LIVINGSTON, Kindergarten Teacher, Chicago, IL

We know EiE for Kindergarten works, because we developed and extensively tested it with teachers in 37 kindergarten classrooms across the country.

Implement EiE for Kindergarten with ease

PROFESSIONAL DEVELOPMENT

Build skills, knowledge, and confidence in our learner-centered workshops. Educators get the skills they need to foster student-centered, inquiry-based learning, while enhancing their knowledge of engineering content.

RESOURCE LIBRARY

An extensive digital library shows best teaching practices in action, helps teachers understand the pedagogy, and supports teaching engineering in the elementary classroom.

CURRICULUM COMPONENTS

- Teacher guide with full-color illustrated storybook for each unit
 - *Raise the Roof: Designing Shelters*
 - *Here's the Scoop: Designing Trash Collectors*
- Materials kits for 24 students
- Engineering Design Process wall poster



Ready to learn more?

Visit eie.org/eie-for-kindergarten
or contact sales@mos.org