

About Engineering is Elementary

Engineering is Elementary® (EiE®) is the nation's leading engineering curriculum for students in grades 1 – 5. This fun, flexible, inquiry-based curriculum integrates engineering with the science topics regularly taught in elementary grades. In its design and content, EiE anticipated and now addresses the goals of the new Next Generation Science Standards (NGSS*).

- The EiE curriculum consists of 20 cross-disciplinary units that extend science teaching
- EiE is expressly designed to fit with the most commonly taught Earth Science, Life Science, and Physical Science topics
- EiE also integrates with ELA and social studies lessons through engineering storybooks
- Real-world engineering challenges boost 21st-century skills like creativity and teamwork
- Engaging, hands-on activities lead to transformational learning

One of the most widely implemented elementary engineering curricula in the nation, EiE is currently being used in all 50 states and the District of Columbia; it has reached more than 77,000 teachers and 7 million students to date. EiE has been recognized as an exemplary STEM program by many organizations:

- One of the first programs chosen by Change the Equation as part of President Obama's "Educate to Innovate" campaign
- A Change the Equation STEMworks program (recognized as a featured program in 2010)
- A Bayer "Best Practices in K-12 STEM Education" program in 2010
- Winner of the Silicon Valley Education Foundation STEM Innovation Award in 2013
- Awarded the ISDDE Prize for excellence in curriculum design by the International Society for Design and Development in Education in 2014

In addition to curriculum dissemination, the EiE project supports elementary teachers and teacher educators with learner-driven professional development (PD) workshops. EiE has developed a far-reaching network of collaborators who can deliver EiE PD to teachers across the country.

EiE does extensive outreach to the national community of educational researchers and education policy makers by presenting project research findings at the national meetings of key professional organizations. EiE founder and director Dr. Christine Cunningham serves on the National Academy of Engineering committee that steers the organization's "Guiding Implementation of K-12 Engineering Education Project," which will provide guidance and resources on the national scale for educators and organizations leading the development and implementation of NGSS.

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