Grades K–5 Elementary Curriculum

Inspiring Young Minds with Hands-On Engineering

Elementary

Youth Engineering Solutions (YES) educates the next generation of problem solvers and engineers—because engineers shape the world!

YES Elementary's standards-aligned K–5 units ignite curiosity by engaging students in real-world engineering challenges. Using the Engineering Design Process, they innovate, make connections across STEM fields, and refine solutions through hands-on investigation—building critical thinking and resilience.





Sample Unit: Engineering Nightlights

Students investigate how materials interact with light as they engineer nightlights that meet user preferences and communicate a message.

Program Highlights

- Standards-aligned units for grades K-5.
- **Research based:** backed by three decades of study and development. Classroom tested, educator approved, and proven effective.



- Hands-on learning: students use the Engineering Design Process to innovate their design solutions.
 - **Designed for all learners:** relatable contexts, multimodal activities, language development supports, Spanish translations.
 - Fits any budget: free and low-cost resources.

• **Cross-curricular connections:** science, math, and ELA.

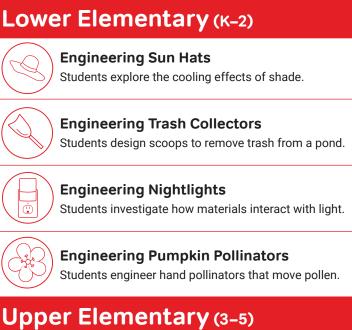




yes.mos.org Learn more: yes@mos.org, 617-589-0230

YES Elementary Curriculum

Each unit contains nine 45-minute lessons.



Engineering Magnetic Dog Doors Students explore magnetic attraction and repulsion.

Engineering Safety Vests Students use circuits to create a communication system.

Engineering Plastic Filters

Students reduce the impact of plastic on the marine ecosystem.



Teach with Ease

Access Free Downloadable Resources

- Digital Teacher Guide
- Illustrated Story or Comic
- Slides, Vocabulary Cards, Engineering Notebook, Family Resources, Video Playlist, Posters, Spanish Translations, and more!

For Purchase

- Materials Kit for 24 to 30 students
- Full-color Teacher Guide plus printed classroom resources

Educator Empowerment

Professional Learning Workshops Available!

"This program felt so different than the more traditional academic tasks students do in their classrooms. It allowed students to see themselves as new kinds of learners and feel success in that. I imagine this confidence will transfer to other learning they do."

- Elementary Educator

STEM is for **Everyone!**





Purchase materials





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