

# Engineering is Elementary resources for YOU and YOUR students FOR FREE!

We are excited to have materials for YOU to use FOR FREE to help supplement what you are teaching in your classroom. These guides have objectives and assessments with scope and sequence to match GEMS, FOSS, STC, Common Core and Next Generation Science Standards. THEY are FUN, CHALLENGING, and BRING THE SCIENTISTS OUT!

For pictures, videos, or additional information, visit [www.eie.org](http://www.eie.org) OR give us a call/email. We're happy to have a kit out and ready for you to review beforehand to see what will work for your students.

## Life Sciences Units

- **"The Best of Bugs: Designing Hand Pollinators"** Unit Overview: [Link](#)
  - Topics: Ag Engineering and Life Sciences
- **"A Slick Solution: Cleaning an Oil Spill"** Unit Overview: [Link](#)
  - Topics: Environmental Engineering and Life Sciences

## Physical Sciences Units

- **"Get to the Other Side: Designing Bridges"** Unit Overview [Link](#)
  - Topics: Civil Engineering and Physical Sciences
- **"Taking the Plunge: Designing Submersibles"** Unit Overview: [Link](#)
  - Topics: Ocean Engineering and Physical Sciences
- **"A Work in Process: Improving Play Dough Process"** Unit Overview: [Link](#)
  - Topics: Chemical engineering and physical sciences
- **"Marvelous Machines: Making Work Easier"** Unit Overview: [Link](#)
  - Topics: Industrial Engineering and Physical Sciences
- **"Now You're Cooking: Designing Solar Ovens"** Unit Overview: [Link](#)
  - Topics: Green Engineering and Physical Sciences
- **"An Alarming Idea: Designing Alarm Circuits"** Unit Overview: [Link](#)
  - Topics: Electrical Engineering and Physical Sciences

## Earth/Space Sciences Units

- **"Water, Water Everywhere: Designing Water Filters"** Unit Overview: [Link](#)
  - Topics: Environmental Engineering and Earth/Space Sciences
- **"A Stick in the Mud: Evaluating a Landscape"** Unit Overview: [Link](#)
  - Topics: Geotechnical Engineering and Earth/Space Sciences
- **"A Sticky Situation: Designing Walls"** Unit Overview: [Link](#)
  - Topics: Materials Engineering and Earth/Space Sciences

*If there are other materials you need for you classroom or ways we can help, Clinton County Extension/4-H works to provide education, build partnerships, and connect our community with research-based information from Iowa State University and more. Please don't hesitate to contact us! 563-659-5125 or [clinton4h@iastate.edu](mailto:clinton4h@iastate.edu)*

