

# Introduction to Engineering Outreach Kits

## Looking for a way to explain engineering?

Have you been invited to talk about engineering at your child's school? Are your Scouts trying to earn an engineering-related merit badge? Do you volunteer at an after-school or summer program?

If you have any reason to share engineering with students between first and eighth grades (or maybe even older), the Nebraska Section can help!

## Outreach Kits Available – Check One Out Today!

### Outreach Activity Kits

Three kits are prepared to appeal to a variety of age groups, though activities can sometimes be fun for all ages. Each kit includes leader guides, handouts, materials to complete the activities, and certificates for the kids – all packaged in an easy-to-carry bin!

#### Kit #1 – Zoom Into Engineering

(Grades 1-6)

Flinker, Gumdrop Dome, and Paper Tower

#### Kit #2 – Building Big

(Grades 5-8)

Hands on Glossary, Straw Shapes, Paper Bridge, and Suspension Bridge

#### Kit #3 – Mixed Activities

(Mixed Ages)

Paper Tower, Straw Shapes, Hang Time, and Blow It Away

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### Building Big Video Series

(Grades 4+) This DVD set includes five hour-long episodes (Bridges, Dams, Domes, Skyscrapers, Tunnels) from the highly acclaimed PBS special *Building Big*. The series explores the creators and builders of amazing structures while revealing both triumph and disaster.

### Bridge Kit

To learn about structures, students become the builders for a six foot long bridge that will support up to 150 pounds. Yes, that means that the builders will have an opportunity to climb through the truss when it's complete.

## How Do I Borrow Outreach Activities?

- ▶ Contact the Section (contact info on the left).
- ▶ Let us know which materials you need and when you would like them.
- ▶ Explore the kit on your own and then have fun sharing it with others.
- ▶ Return the kit and let us know about your experiences.



NEBRASKA SECTION