2024 Educator Planning Guide

This year’s Engineers Week theme—Welcome to the Future—is about celebrating today’s achievements and paving the way for a brighter and more diverse future in engineering.

Use the tips below and our extensive library of resources to plan an amazing Engineers Week 2024.

Engage K–12 Students in Engineering

- **Do engineering activities.** Our library is filled with low-cost, hands-on activities that are all kid approved!
- **Tune-in to Chats with Changes Makers** and introduce your students to real engineers.
- ** Invite an engineer or STEM professional** to visit your program.
- **Participate in Future City** and challenge middle and high school students to design a city that can exist 100 years in the future.
- **Organize an engineering event or open house.** Select four activities, staff with high school students or volunteers, and invite parents and their kids to try them out. Check out sample events.
- **Explore engineering careers.** Learn the 5 reasons to love engineering and just how much money different types of engineers make.
- **Join us** on social media #Eweek2024
Recommended Engineering Activities

170+ Free Activities
• Leader Notes
• Student Instructions
• Challenge Videos
• Filter by Topic, Grade, Time and Engineering Discipline

A Winch Lightens the Load
Make a model winch to haul buckets of stuff up and down without spilling any of it.

Truss Bridge
Design, build, and test a straw bridge with a truss design similar to the International Space Station.

Foil Boats
Design and build a boat from aluminum foil that holds as many pennies as possible before it sinks or capsizes.

Resources for Your Events and Programming:
T-shirts • Bookmarks • Stickers • Certificates • Social Media Graphics & Posts • Logos • More!

Three Easy Ways to Interest Kids in Engineering

1. Talk about engineering in a way that’s appealing and aligns with their interests.

Key Messages:
• Engineering is open to everyone
• Engineering is a well-paying profession
• Engineering makes a difference in people’s lives

2. Connect them with role models they can relate to.

3. Lead students in engineering activities.

Learn more!