2025 Educator Planning Guide

Engineers Week
Feb 16–22, 2025

DESIGN YOUR FUTURE
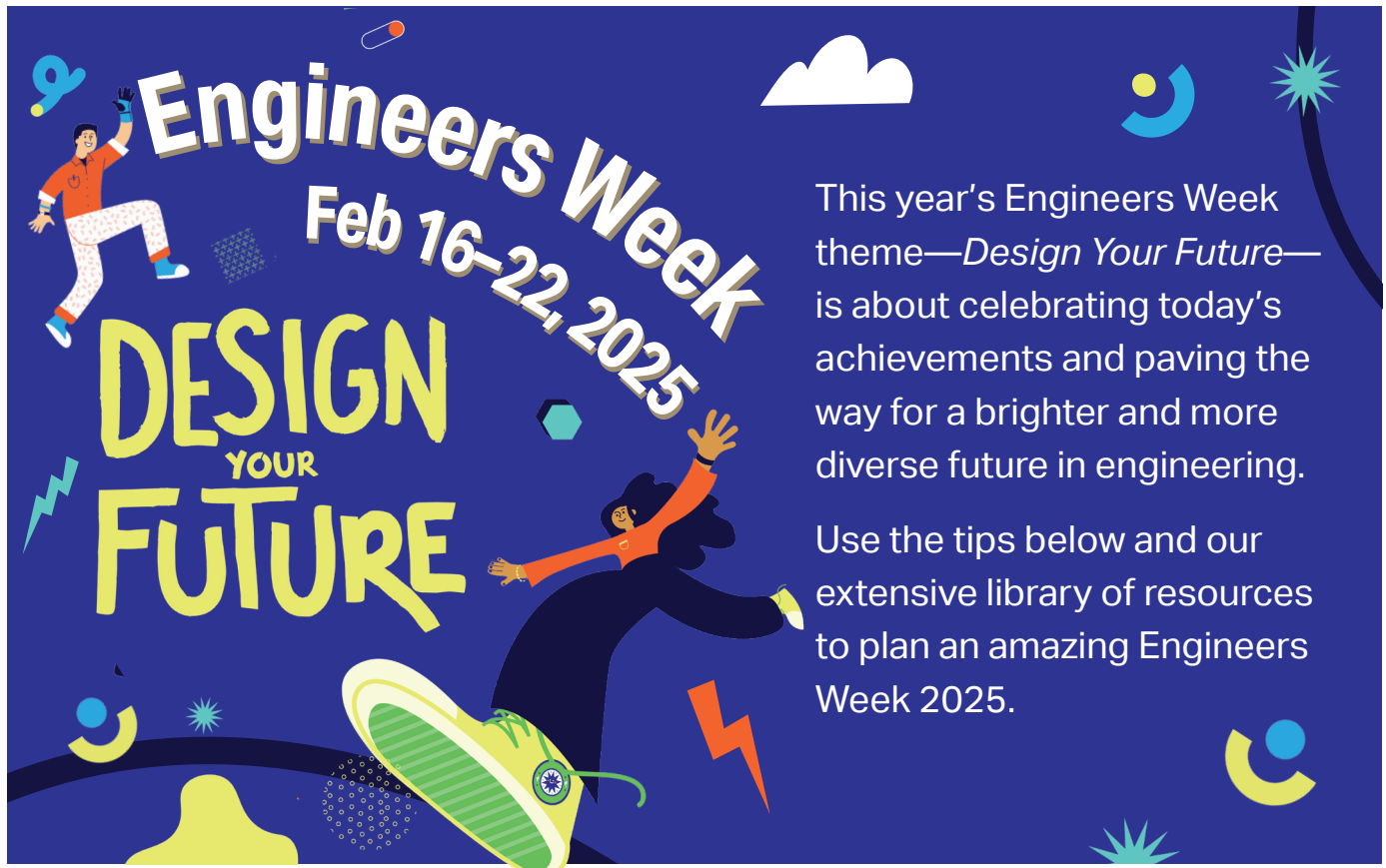
This year's Engineers Week theme—*Design Your Future*—is about celebrating today's achievements and paving the way for a brighter and more diverse future in engineering.

Use the tips below and our extensive library of resources to plan an amazing Engineers Week 2025.

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.
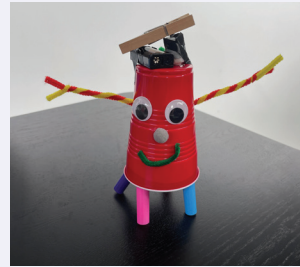- **Join us** on social media #Eweek2025

Recommended Engineering Activities

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

Wigglebot (Grades K-5)
Students hook up a DC motor to a battery in order to make a simple, fun robot that wiggles around on a piece of paper and makes its own abstract art.

AI: Assessing the Risks and Rewards (Grades 7-12)
Students will research an AI application and then make a case for its potential benefits, pitfalls, and effect on society.

Mechanical Hand (Grades 6-8)
Students create a mechanical hand that mimics the bending and straightening of their own fingers and thumb.

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!