2025 Educator Planning Guide

Introduce a Girl to Engineering Day
Feb 20, 2025

DESIGN YOUR FUTURE

More than just one day, Introduce a Girl to Engineering is a movement to show girls and students of marginalized gender the fascinating world of engineering—and how engineers are changing our world.

Use the tips below and our extensive library of resources to plan your Girl Day event!

Inspire a Girl's Future!

- **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 girls to role models in a diverse range of engineering careers.

- **Participate in Future City.** With a 50-50 ratio of girls and boys, Future City challenges middle and high school students to design a city that can exist 100 years in the future.

- **Invite a female engineer** or STEM professional to visit your program.

- **Organize a girl-focused engineering event.** 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** on DiscoverE.org and meet real engineers, see cool projects, and learn about different engineering career paths.
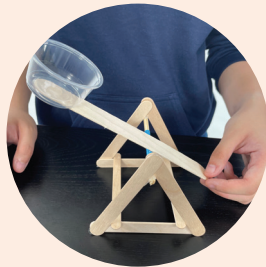
Recommended Engineering Activities With New Videos!

170+ Free Activities

- Leader Notes
- Student Instructions
- Challenge Videos
  Role models introduce the challenge and the engineering design process!

Puff Mobiles (Grades 3-8)

Renewable energy sources are in focus as students build a wind-powered car and cross the finish line using as few puffs of air as possible.

Score! (Grades 3-8)

In this challenge, students build a simple arcade game where players use a catapult to launch an object and earn points.
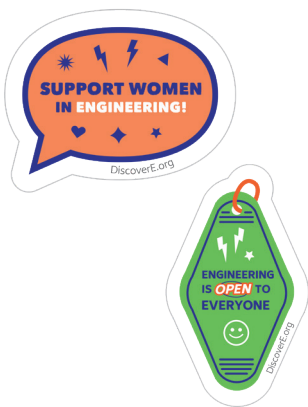
Build a Bridge (Grades 3-8)

Students design and build sturdy bridges using just a single piece of paper or aluminum foil. How many pennies can the bridge support?

Resources for Your Events and Programming:

T-shirts • Bookmarks • Stickers • Certificates • Social Media Graphics & Posts • Logos • More!

5 Powerful Messages to Share

- Engineering is open to everyone
- Engineering is a well-paying profession
- Engineering makes a difference in people's lives
- Engineers are creative problem-solvers
- Engineers work in teams with smart inspiring people

Learn more!