

# 2024 Educator Planning Guide



**Introduce a Girl to Engineering Day**  
Feb 22, 2024

WELCOME TO THE 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.

# Engineering Challenge Videos Featuring Role Models

## 170+ Free Activities

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



## Slow It Down

Astronaut Joan Higginbotham challenges you to design an aircraft that falls as slowly as possible before landing on a target.

## A Winch Lightens the Load

Mining engineer Emily Rose challenges you to make a model winch to haul buckets of stuff up and down.



## Tallest Cup Tower

Civil engineer Sylvana Azana challenges you to build a stable tower out of cups and make it as tall as possible.

## 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!](#)