

# 2024 Volunteer Planning Guide



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! Be a Role Model

- **Visit with a girl-serving organization.**  
In as little as 45 minutes you can tell the girls about your job, how your work makes a difference, lead a hands-on engineering activity, and answer their questions.
- **Encourage girls to explore careers.**  
Present engineering as a career. Share your own experiences and talk about engineering in a way that's appealing and aligns with girls' interests.
- **Share Chats with Change Makers.**  
Introduce girls to video series featuring interviews with role models in a diverse range of engineering careers.
- **Volunteer as a Future City mentor or judge.**  
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. Volunteer for just one day as a judge or work with a team.
- **Organize a girl-focused engineering event.**  
Our survey results found girls like the activities best. Followed by the food, working in teams with other girls, and talking to role models about their jobs. Check out sample events and see what others have done.

# 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!](#)