

A Mother and Daughter Engineering Workshop

A mother–daughter engineering workshop is a hands–on event where girls age 8–13 can team up with their mothers or mentors to solve engineering design challenges, get mothers engaged, and equip them with the tools to keep the interest and conversation going at home.

Goals:

- Increase girls confidence in Science, Technology, Engineering and Maths (STEM)
- Learn how engineers make a difference.
- Increase mothers' confidence as role model to their daughter in STEM.
- Excite girls about STEM by connecting them with engaging engineering activities.

Planning Your Workshop

Listed below are suggested components for your workshop

1. Presentations

Invite a few engineers to present on what they do at work every day and demonstrate the exciting opportunities available in the engineering field.

2. Hands–on activities

The engineering design process is a series of steps that engineers follow to come up with a solution to a problem. Engineers love a challenge! Give the students and their mothers/mentors hands–on activity challenges to try out the engineering design process in the classroom. Challenges work best in teams. Check out engineersweek.ie for selection of activities and useful websites.

3. Snacks

If possible, offer snacks and drinks before or during the workshop to give attendees the opportunity to socialise. Offering food creates a good atmosphere and gives attendees the chance to make connections.

4. Promotional take–aways

Give each participating student a Certificate of Participation and an engineering resource pack. For certificates and hand–outs, visit engineersweek.ie

To register your workshop, visit www.engineersweek.ie

Organisers who register will be included in media promotions and receive free promotional items.

