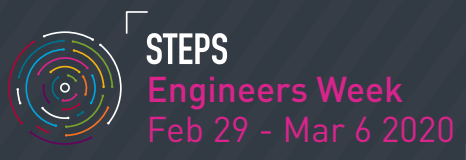


IRISH GIRL GUIDES ENGINEERING BADGE

ENGINEERS WEEK CHALLENGE – LEADER INFORMATION



Sponsored by



Introduction

Engineering Badges

The Irish Girl Guides are passionate about encouraging their members – Ladybirds, (age 5-7), Brownies (age 7-10), Guides (age 10-14), and Senior Branch Members (14-30) – to explore engineering and other STEM subjects. The Engineers Ireland STEPS Programme and The Irish Girl Guides developed an education initiative in 2018 that allows Brownies and Guides to earn engineering badges as part of the Irish Girl Guides Journey Programme. There are two badges, one for Brownies (aged 7 to 10) and one for Guides (aged 10 to 14).

The badges encourage young girls around Ireland to work through a variety of fun engineering challenges based on creative thinking, curiosity and teamwork. This builds an engineering mindset and encourages girls to explore the exciting possibilities that a career in engineering can offer.

The badges are a great opportunity for Guides and Brownies to discover how much Guiding and engineering inherently have in common. It gives the girls an opportunity to understand that Guiding and engineering share many similar skill sets, including team work, innovation, resourcefulness, thinking outside the box and practical application.



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STEPS Engineers Week Challenge

STEPS Engineers Ireland is calling on Brownie and Girl Guide Units nationwide to take the STEPS Engineers Week Challenge to become Ireland's Top Guide and Brownie Engineers. If your Unit has earned your Engineering Badge, you'll know how engineers design, build, and test a new product. Take the Challenge!

If your Unit has yet to complete the Engineering Badge, the Challenge is a fantastic opportunity to work towards gaining the Badge.

All Brownies and Guides are welcome to take the STEPS Engineers Week Challenge to become Ireland's Top Brownie or Guides Engineers. The Engineers Week Challenge will take between 1.5 to 3 hours to complete.

Prizes

There are fantastic prizes, including:

- Bricks 4 Kidz STEM Voucher – workshop for your Unit (30 children).
- Certificate for winning Unit.

Categories

- Brownies: aged 7-10
- Guides: aged 10-14

Deadline for Entry

Entries should be submitted by post by 31st March to STEPS Engineers Ireland, 22 Clyde Road, Ballsbridge, Dublin 4. Entries can be made using pencil, pen, crayons or felt tip.

Marking criteria

1. Presentation of Engineers Week Challenge Book (1-10) – Completed cover page and book.
2. Engineering design process (1-10) – Ideas linked to following the steps and improving and solving problems.
3. Design concepts (1-10) – Clear and labelled engineering drawing.
4. Innovative idea (1-10) – Original concept.
5. Effective communication (1 – 10) – Clearly portrayed and explained the project.

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Engineers Week Challenge Directions for Leaders

1. Here's what you need:

- Gather pencils, pens, crayons or felt tips and hand out to teams
- Copies of Engineers Week Challenge Instructions for Guides & Brownies.
- Copies of Engineers Week Challenge Book.

2. Preparation:

- Provide each team with Engineers Week Challenge Book

3. Challenge goal:

- Ask the girls to look around their Unit or imagine they are attending a Girl Guide camp and to pick out something they would like to improve. This could be something that would help their Unit, individual Brownies or Guides, or it could be something that would help the whole Girl Guide community. Ask them to fill out the Engineers Week Challenge Book. Let them discuss and come to their own conclusions.