

Registration form

Register today and explore how engineering shapes your community!

Fill out ALL requested details below and fax to 01-6681350 or return by post to STEPS to engineering, Engineers Ireland, 22 Clyde Road, Ballsbridge, Dublin 4.

School Name:

School Roll Number:

Teacher Name:

School Postal Address:

School Phone:

Teacher Mobile:

Teacher Email Address:

Fax number:

Class Category

Only registration forms that are fully completed will be registered. An email will be sent to confirm your class registration.

The closing date for registration will be 18th November 2009

Number of students participating

Please tick the relevant box below.

3rd – 4th

5th – 6th



22 Clyde Road
Ballsbridge
Dublin 4.
Tel: 00 353 1 665 1340
Fax: 00 353 1 665 1350
www.steps.ie
www.engineersireland.ie

Take part
in Xperience Engineering
and complete Step 4 of
the Discover Science
& Engineering
'Awards of Science
Excellence'!



Make the difference

Shape their future

Register today!



The closing
date for entry
will be 18th
November...
so sign up
today!

Discover
Science + Engineering



STEPS to engineering is an Engineers Ireland programme

Who we are

STEPS to engineering was established in 2000 to encourage primary and post-primary students to explore the world of science and engineering. The value of the programme has been formally recognised by Government and is a key element of the national 'Discover Science & Engineering' programme. It is managed by Engineers Ireland and is supported by the Department of Education & Science, Forfás, FÁS and a number of major engineering employers.



For information on STEPS to Engineering and the Xperience Engineering project please call a member of the STEPS to engineering team on 01 6651340, email: info@steps.ie, or simply fill out the form overleaf and fax it back to us at 01 6651350.

What is Xperience Engineering?

Xperience Engineering is STEPS to engineering's primary school initiative. Over the course of four months, participants will be given a unique opportunity to explore how engineering surrounds them in their locality and how engineering affects their daily lives. The project is divided into two categories. These categories are:

- 3rd - 4th Class
- 5th - 6th Class

Only one class per school can register. The top 20 projects from each of the above categories will be chosen to represent their school at the Xperience Engineering National Final in The Helix, Dublin, in June 2010. These class groups will be in with the chance to be crowned 'Junior or Senior Engineering Class of Ireland'

The monthly activities provided the children with a greater understanding of the importance of technology and innovation in today's society and they view everyday things they had previously taken for granted in a more appreciative way. The children and I are better informed about the variety of jobs that engineers do.

Sarah-Jane Doran – Teacher
– Kilmuckridge School, Co. Wexford

How it works

- STEP 1:** A theme for Xperience Engineering 2009/2010 will be launched by STEPS to engineering, e.g., 'Engineers Save Lives' (2008/2009 theme).
- STEP 2:** Over a four-month period, participants are encouraged to explore their locality for an object/topic that links in with the chosen theme.
- STEP 3:** Step-by-step guidelines are provided on what each group should include in their project, e.g.,
- Why did the class choose the topic?
 - How did your class carry out research? Did they use the internet? Did they speak to people involved with this engineering feat?
 - Has the class worked in teams? Take some photos and show this in action!
 - Have you included photos of the chosen object/topic?
 - Did the class use maths skills during the project?
- STEP 4:** There will be easy ways of gaining extra credits that will ensure your class can be among the top engineering classes in the country!
- Take part in a K'NEX Challenge and show us the pictures
 - Visit your chosen engineering feat and take some photos!
 - Complete user-friendly and fun monthly activity sheets with your class

The Xperience Engineering project gave my class a realistic and practical insight into the work of an engineer. They not only understand how engineers influence the area they investigated, but also how engineering impacts on almost everything around them. There were many opportunities to link the SESE subjects, maths and visual arts, but once the project was up and running we took it as a theme for all subjects. It really fitted into classroom planning very easily. There was lots of support within the project for teachers. In particular, the monthly activities make it very easy to focus on different areas of engineering. The staff of STEPS to engineering are really helpful and welcome any questions.

Martina Sexton – Teacher
– St. Peters BNS, Bray, Co. Wicklow



Benefits

Overall Class Prize

- The overall winners will be awarded a class prize and will be crowned Junior or Senior Engineering Class of Ireland.

Class Certificate

- Each class that submits a project will receive a bronze, silver or gold certificate.

Cross-Curricular Links

- The Xperience Engineering Project has direct links to the following curriculum strands:
 - Science (SESE) – Curriculum
 - Geography (SESE) – Features of the built and natural environment
 - Visual Arts (SESE) – Paint/colour, construction, making things, making drawings from observations to analyse structures.
 - History (SESE) – Exploring some features of local environment/purpose of construction. Continuity and change over time/technological and scientific developments.
 - Mathematics (SESE) – Shape and space/3D shapes, representing and interpreting data.
 - English (SESE) – Researching, discussion and group decision making.

A limited number of schools will be accepted to take part in this exciting project. Schools will be registered on a first come, first served basis.

