



Transpower Neighbourhood Engineers Awards

Conditions and Entry Form

The IPENZ Neighbourhood Engineers Award is open to all primary and secondary schools in New Zealand. It aims to create a greater awareness of the engineering profession and meet the objectives of Technology in the New Zealand Curriculum (TNZC). Teachers, students and engineers work together to meet an identified need, or develop an opportunity in their school or local community.

Teachers, students and engineers will undertake technological practice in response to an identified need or opportunity in their school or local community. A report of the technological practice is submitted as an entry for the Award. Entries are judged on the quality of the technological practice and evidence of collaboration between engineer, teacher and students.

The Award is divided into three categories: Years 1–4, 5–8 and 9–13, with substantial cash prizes in each. Merit prizes will be awarded at the discretion of the judges. All participants receive certificates.

Entries close 5pm, 22 October 2010.



Contact us:

Transpower Neighbourhood Engineers Awards
PO Box 12 241
Wellington
Telephone: (04) 473 2021
Fax: (04) 474 8933
Email: neawards@ipenz.org.nz
www.nea.org.nz



Conditions of Entry

- Neighbourhood Engineers volunteer their services solely to assist students in educational activities. Their advice may not be used or relied upon for any other purpose.
- The project must meet the requirements of TNZC and demonstrate technological practice.
- Prizes will be awarded only if appropriate standards reached and all criteria are met.
- **The judges' decision is final and no correspondence will be entered into.**
- Entries must be sent to:
Transpower Neighbourhood Engineers Awards 2010
Ground Floor,
158 The Terrace
PO Box 12 241
Wellington
- Entries must arrive no later than 5pm 22 October 2010. They will be returned within one month of judging.
- Material submitted as part of an Award entry may be used to publicise the Neighbourhood Engineers Awards.

Guidelines for content of project report

The Report needs to show the development of the project, **what** was done and **why**.

It should reflect how the **team** of teacher, students and engineer worked together and how the sharing of expertise influenced the outcome.

Record all aspects of the technological practice as the project develops, **using** photographs, diagrams, graphs, opinions, etc.

Identify the need or opportunity. Show research, data gathering, initial ideas, etc.

Discuss possible solutions and choices, justify decisions, analyse changes.

Select an appropriate solution and explain **why**.

Consider the effects the project will have on the school, community and environment, etc.

Comment on outcome/solution. What would you change next time? Why?

Guidelines for engineer's comments

This may include:

- a comment on the value for you (and your organisation) of working with students and teacher.
- a short discussion of the project from your perspective.

Guidelines for teacher's comments

This should focus on the benefits to you, your students and your school of working with an engineer.

Entries must include:

- a completed entry form
- a report detailing the development of the project, what was done and why
- profile of the project team: names, ages, year, etc.
- comment from teacher
- comment from engineer
- supporting material (optional)

Judging

- The judging panel comprises representatives from technology education, IPENZ and Transpower.
- Entries will be judged by the following criteria:

Component	Criteria	Weighting	Total
Technological Practice	Identification of genuine issue, need and/or opportunity and appropriate research	7	
	Possible options and strategies explored and selection of final solution justified	7	
	Outcomes produced safely and effectively	7	
	Resources, including time and people managed efficiently	7	
	Impacts of/on school, community and environment considered	7	35
Need/opportunity	Need or opportunity significant for the students/school/local community	5	
	Solution fits original objectives	5	10
Teamwork	All three parties (teacher, engineer, students) involved in processes and decisions; collaboration clearly demonstrated throughout the project	35	35
Teacher's Comment	Mistakes, changes for next time recognised.	3	
	Project overview consistent	2	5
Engineer's Comment	Mistakes, changes for next time recognised.	3	
	Project overview consistent	2	5
Report	Judging criteria are fully documented	6	
	Supporting material from all involved is relevant and clear	4	10
TOTAL			100

Entry Form School



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Entry Checklist

- Completed Entry Form
- Project Report
- Profile of the project team; names, ages, year, etc.
- Teacher's comment
- Engineer's comment
- Any supporting material such as log book/diary, photographs and/or video

Project title _____

School _____

Postal address _____

Email _____

Phone _____

Fax _____

Teacher _____

Signature _____

Principal _____

Signature _____

Category Years 1-4 5-8 9-13.

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Entry Form Engineer



Transpower
Neighbourhood
Engineers Awards



Project title _____

Engineer _____

Company _____

Postal address _____

Email _____

Phone _____

Fax _____

Signature _____

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