



TRANSPOWER
Neighbourhood
Engineers Awards

Conditions and Entry Form



TRANSPOWER



IPENZ
ENGINEERS NEW ZEALAND

The Transpower Neighbourhood Engineers Awards are open to all primary and secondary schools in New Zealand. The Awards aim to meet the objectives of Technology in the New Zealand Curriculum (TNZC), and create a greater awareness of the engineering profession.

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 that is undertaken is submitted as an entry for the Awards.

Entries are judged on the quality of the technological practice and evidence of collaboration between engineer, teacher and students.

The Awards are divided into two categories: Junior (Years 1-8) and Senior (Years 9-13), with substantial cash prizes in each. Merit prizes will be awarded at the discretion of the judges. All participants will receive certificates.

Entries close 5pm, 25 October 2017

Contact us:

Transpower Neighbourhood Engineers Awards
PO Box 12 241, Wellington
Telephone: (04) 495 1647
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 are reached and all criteria are met.
- **The judges' decision is final and no correspondence will be entered into. We are unable to provide individual comments from the judges for each Awards entry, however general comments may be available.**
- Entries must be sent to *Transpower Neighbourhood Engineers Awards 2016* at one of the following addresses:

C\ IPENZ Level 3 50 Customhouse Quay Wellington 6011	C\IPENZ PO Box 12 241 Wellington 6144
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- Entries must arrive no later than 5.00pm 25 October 2017. They will be returned as soon as possible after judging.
- Material submitted as part of an entry may be used by IPENZ to promote the 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)
- completed permission forms from principal, and students or caregivers (for use of material in promotion of the Awards).

» 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 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) collaborate in all processes and decisions	10	
	Evidence of engineer's involvement throughout the project	10	
	Students' ownership of the project clearly demonstrated	10	
	Effective facilitation by teacher	5	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



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Entry Form – School



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Entry Checklist

- Completed Entry Form
- Project Report
- Profile of the project team
- Teacher's comment
- Engineer's comment
- Supporting material
- Completed and signed permission forms

Project title _____

School _____

Postal address _____

Email _____

Phone _____

Teacher _____

Signature _____

Principal _____

Signature _____

Category Primary/Intermediate Secondary

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TRANSPOWER
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Entry Form – Engineer



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ENGINEERS NEW ZEALAND

Project title _____

Name _____

Company _____

Postal address _____

Email _____

Phone _____

Signature _____

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