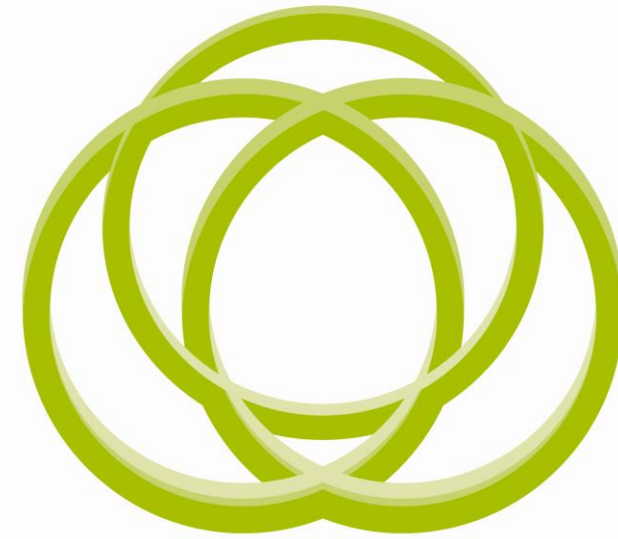


A DAY THAT CAN CHANGE A LIFE



science and engineering  
**challenge**

**Rotary**  
District 9685



**Be a gift to the world**

The Science & Engineering Challenge was developed by The University of Newcastle to encourage students to include science based subjects in their final years of high school.

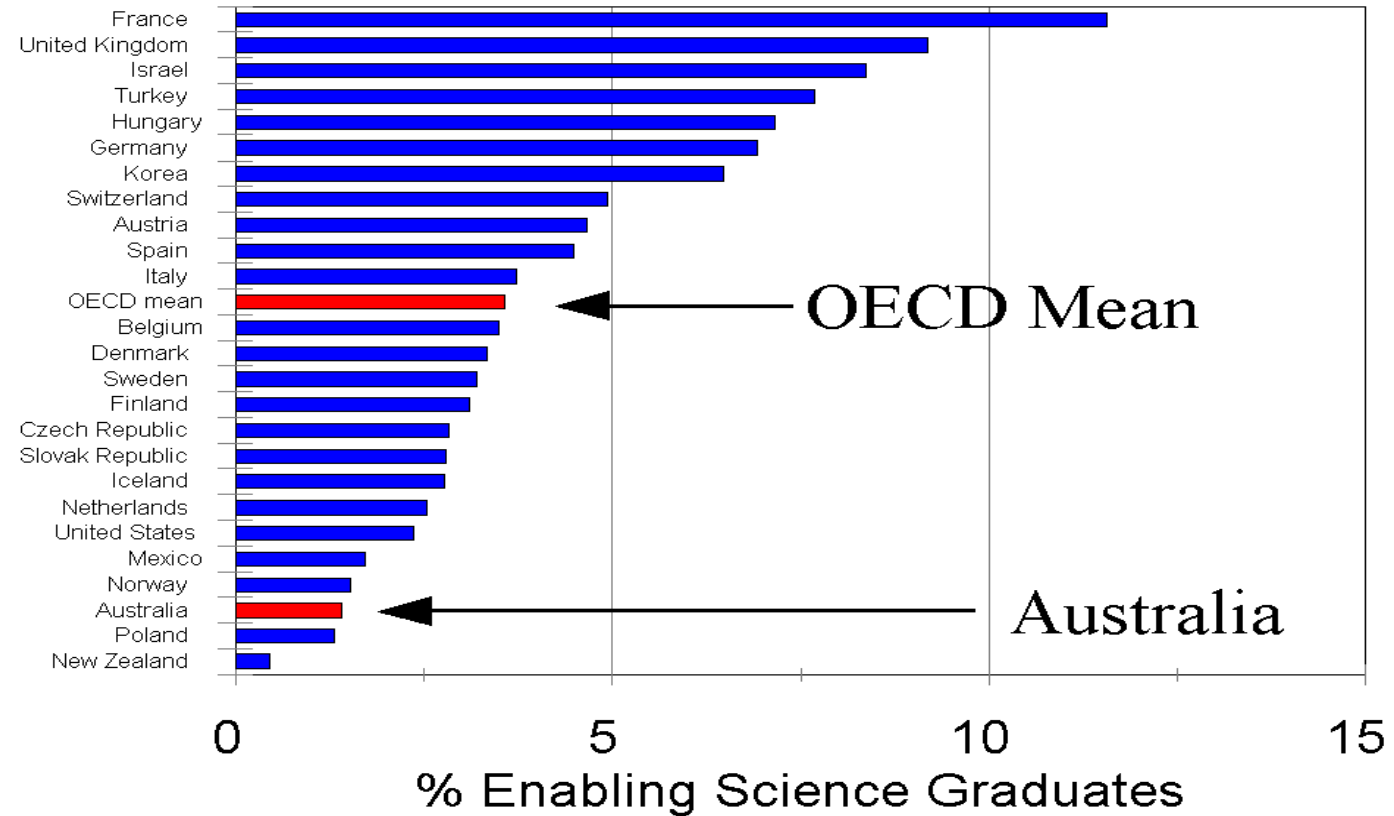


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District 9685



Be a gift to the world

Should we  
be here ?

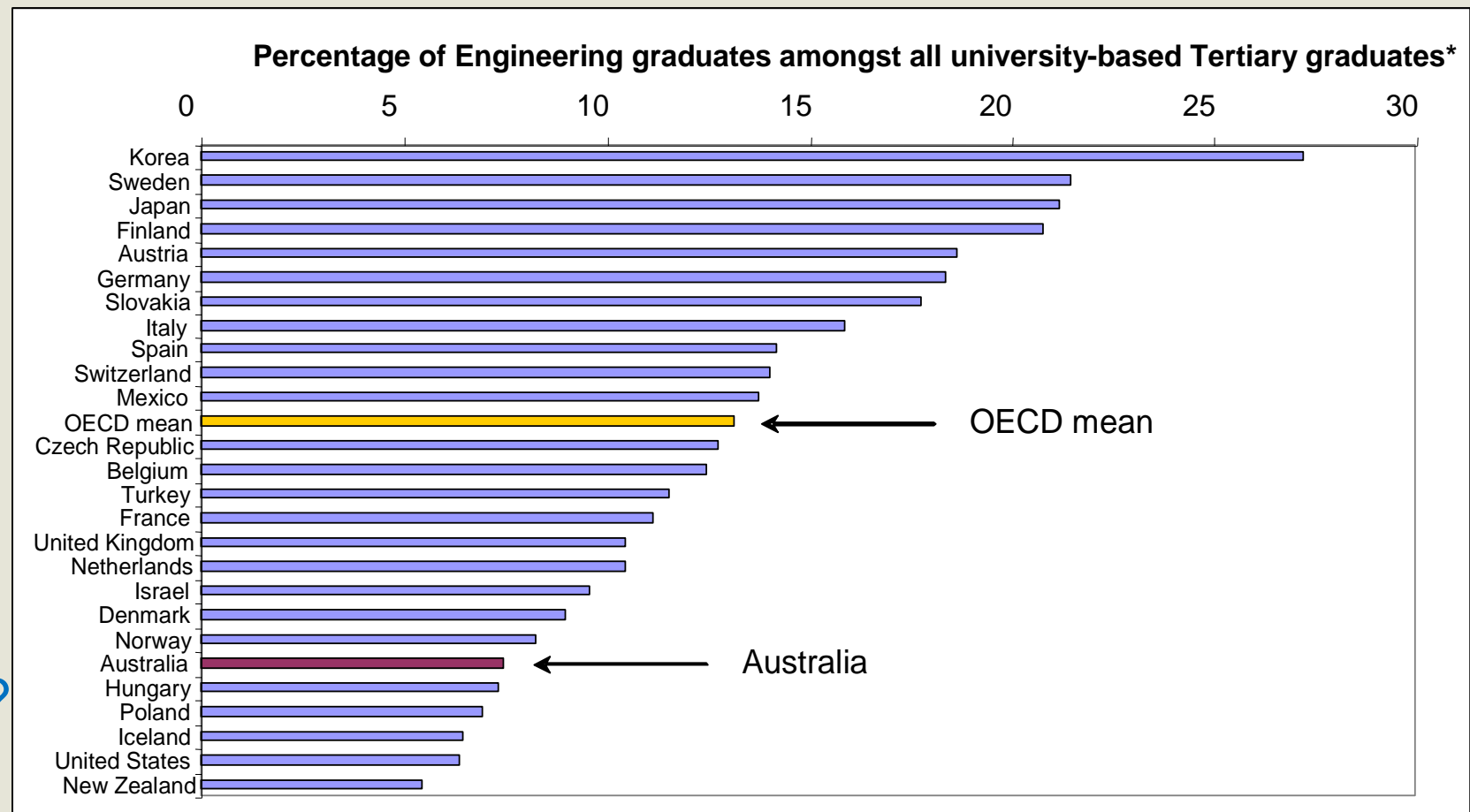


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Be a gift to the world

Could  
we do  
better?



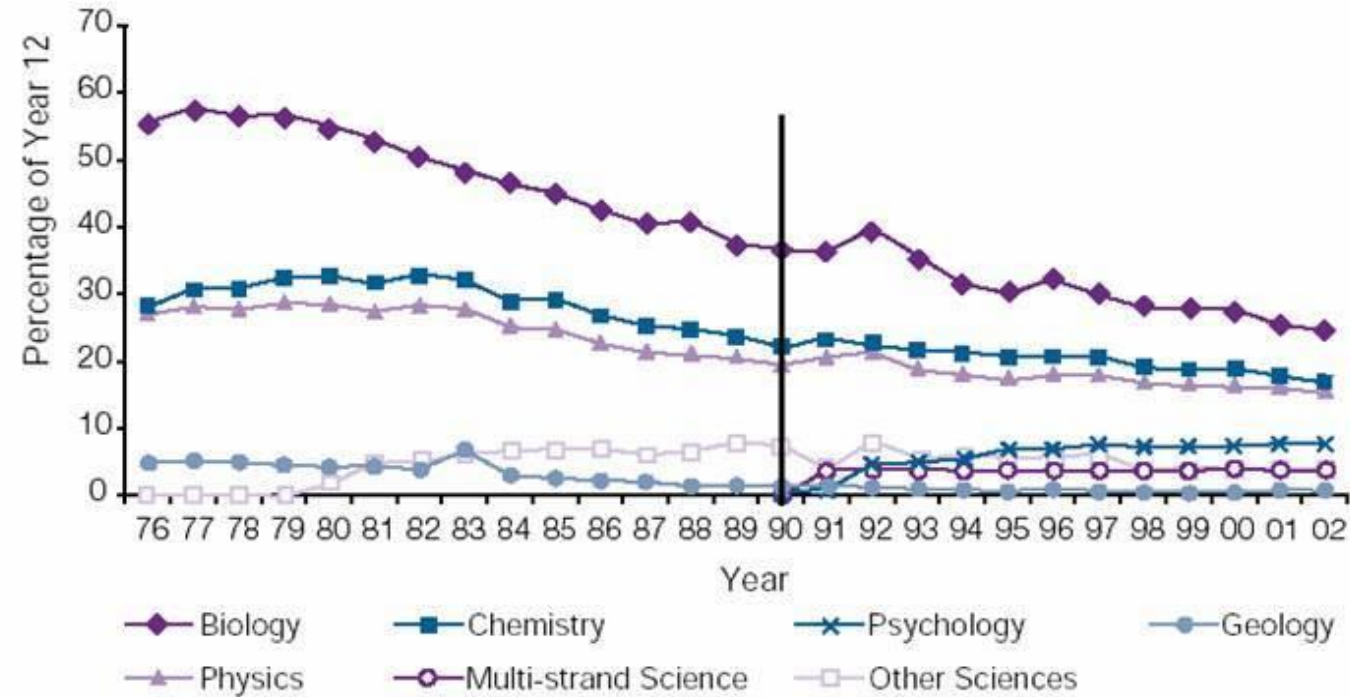
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**Figure 2.1: National participation rates among Year 12 students in science subjects, 1976–2002**



Source: J Ainley and C Underwood, *Australia's Teachers: Australia's Future*, Volume 3, 'Background data analysis', Review of Teaching and Teacher Education, DEST, Canberra, 2003.

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**Be a gift to the world**

The Challenge stimulates  
and excites young minds  
showing them that you don't  
have to be a nerd to enjoy  
science.



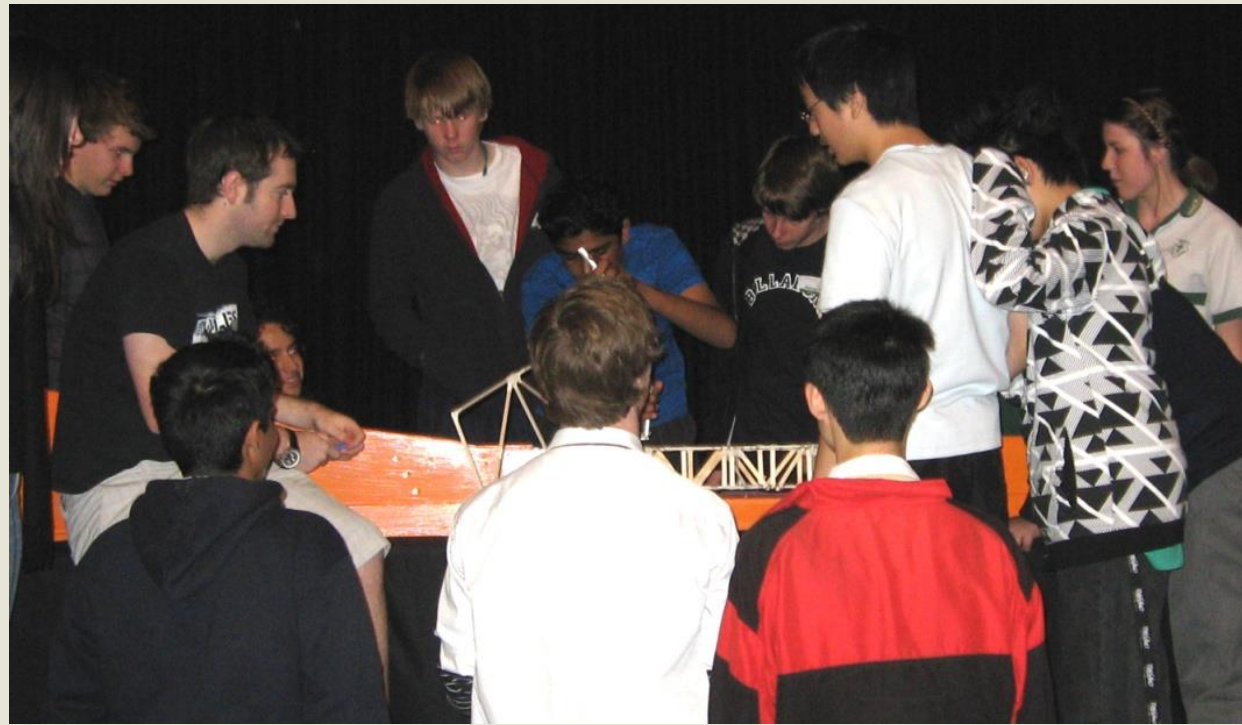
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School teams  
compete against  
seven other school  
teams using only the  
materials and  
equipment provided



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Students are allocated to one of eight Challenges available on the day.

Challenges are as diverse as bridge building, code breaking & creating electrical circuits



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8 schools X 32  
students = 250 +.

IT WORKS!



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## Research findings

Participation in the Science and Engineering Challenge:

- Increases student's **awareness** of careers in science & engineering.
- Increases **interest** in Science and Engineering
- Influences **decisions** to undertake science and maths in high school
- Dramatically improves **teamwork**
- Increases **self confidence**

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The Challenge is in its  
15th year  
and is a  
national program.

In 2014 there were 10 Challenge  
days in Sydney



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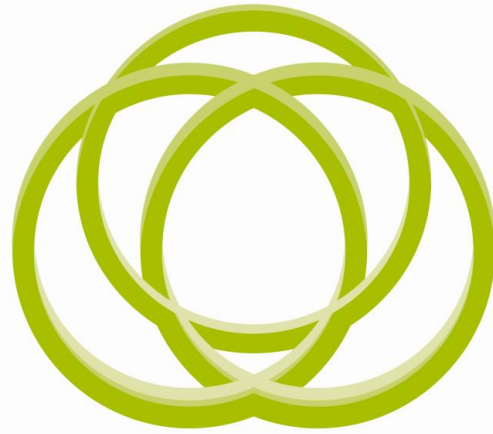


- Encourage local schools to attend.
- Rotarians can act as supervisors.
- Contribute towards costs.
- Run a local Challenge.

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