

“Review of Education in Mathematics, Data Science and Quantitative Disciplines”, Report to the Group of Eight Universities by Gavin Brown, Go8, 2009.

The state of the mathematical sciences and related quantitative disciplines in Australia has deteriorated to a dangerous level, and continues to deteriorate. This report is structured around 6 recommendations:

- The Go8 should encourage dialogue between Faculties of Education and Mathematics Departments with a view to introducing a component in the primary training program giving mathematical confidence and resources to future teachers.
- The Go8 should support the raising of mathematics and science awareness in the community, covering all years of high school.
- Each Go8 vice-chancellor should review service teaching arrangements especially the internal funding model which drives them.
- The Go8, sharing expertise already gained, should develop a systematic structure of enabling programs to counter the drop in students entering with low mathematics experience.
- The Go8 should encourage research networking within Australia, not confined to its own universities. One specific proposal is that AMSI should be invited to organise research programs of six months or a year on specific topics with international visitors.
- The Go8 should pay particular attention to Statistics, the ongoing consulting needs within the universities, the training of the next generation and the recovery of a strong research culture.