

“A National Strategy for Mathematical Sciences in Australia” National Committee for Mathematical Sciences, Australian Academy of Science 2009.

This review suggests a coordinated national mathematics and statistics strategy that addresses the following four areas:

- perceptions of the usefulness of mathematics and statistics. The review includes suggestions for political leadership, raising community awareness through a national campaign, student encouragement and teacher prizes
- the serious shortfall of well-qualified teachers of mathematics in schools. The review recommends meaningful teacher registration, development of primary mathematics specialists, recruitment of new teachers, improved tenure, refocus of the HECS reduction, professional development and promotion of equity.
- the diminished state of mathematical sciences in the university sector. The review suggests this needs political leadership and university leadership, enabling infrastructure, refocussing the HECS or direct scholarships, mathematics course accreditation, teacher training and simpler immigration for mathematical scientists.
- mathematical and statistical infrastructure for business, industry and research. This would include using and supporting AMSI’s infrastructure, encouraging AMSI’s mission for the diffusion of mathematical and statistical expertise to business and industry, and mechanisms to support ‘intellectual infrastructure’, specifically internal statistical consulting services.