

Everyone benefits

Enterprise learning provides a framework for "employability skill building". Students are motivated and stimulated to explore careers in science and natural resource management

Teachers gain new skills, such as using Geographic Information Systems and multimedia techniques. By working collaboratively with scientists teachers update their knowledge and skills. Scientists enhance their communication skills and review their own practices in the process.

The local community engages with students, teachers and scientists in a productive and meaningful relationship.

"In the Torres Strait, students identify community needs, research possible solutions and offer viable resources"

Andrew Denzin, Taigai College, Thursday Island

"Students are switched on and completely engaged when they work with scientists."

Sue Monteath, Senior Science Officer
Department of Education, Training and the Arts

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<http://education.qld.gov.au/curriculum/area/science/enterprising.html>

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Learning science in the real world

**Enterprising education for
natural resource management**



More and more Queensland schools are tapping into the skills of Queensland Government scientists and technicians through enterprise learning projects in natural resource management.

These projects link students to their local communities, natural resource managers and scientists.

Skill building

Enterprise learning encourages and recognises initiative, critical thinking and independence and helps students develop dynamic lifeskills to improve their readiness for employment in the professions of the future.

These skills include:

- self-management
- communication
- teamwork
- risk-taking,
- creativity
- dealing with change
- effective use of technology

Case Studies of Enterprise Learning in NRM

Building fish stocks

Students at Tagai College on Thursday Island monitor the condition of the seagrass meadows in their area for the Queensland Department of Primary Industries and Fisheries. In addition they rear juvenile fish such as barramundi and mangrove jack in the school's aquaponic facility to restock the local council dam.

Monitoring local waterways

Corinda and Indooroopilly State High Schools work with scientists and natural resource managers on real environmental projects. As 'consultants' to a local catchment group and the Department of Natural Resources and Water students contribute to local ecosystem monitoring.

Preparing for climate change

In another project, Year 9 students from Corinda High are developing multimedia interactive stories about preparing for climate change for primary students on behalf of the Queensland Climate Change Centre of Excellence.

