

Two-way Science Initiative

The Two-way Science Initiative supports schools to build partnerships with local Aboriginal communities to develop integrated culturally responsive learning programs that connect the Western Australian Curriculum Science to Aboriginal knowledges.

Two-way Science provides an opportunity for all students to learn about science from the world's oldest continuing cultures.

Project aims

- to build respect for Aboriginal histories, cultures, people, knowledges and experiences amongst school staff and students
- to strengthen Aboriginal student wellbeing, engagement and achievement.

Initiative features

- learning on country
- school program co-designed with local Aboriginal community
- clusters of schools supported by Aboriginal Two-way Leader
- professional learning includes workshops on country and regular webinars
- schools share practice in local networks and online learning community
- coaching and mentoring provided.



Our Impact 2021-22

21 project schools, 18 Aboriginal language groups across 4 regions

Intergenerational cultural knowledge sharing

Culturally responsive schools

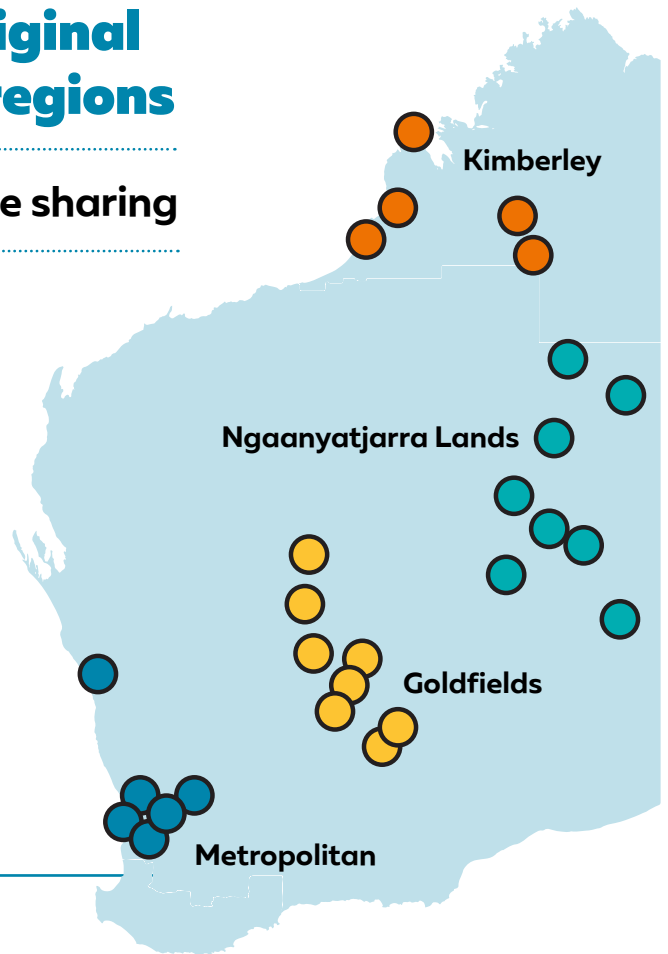
Enhanced community relationships

Empowered community voices

Improved student engagement

Cross-curricular integration

Improved teacher capacity



Staff evaluation measures



93%

are more confident to link learning on country led by the local Aboriginal community to classroom learning



96%

are more confident to support student learning on country



96%

agreed they had connected the Western Australian Curriculum to local Aboriginal knowledges



79%

are more confident to build new partnerships since joining the Initiative

"We are finding areas of knowledge that would otherwise be disappearing. Elders are talking about things because there is a relevance now – knowledge which could have otherwise been lost really easily, now has value."

Jan Turner
Ngaanyatjarra Lands

"We're talking about nature, about what's going on in Country and in this area. When we go on trips, it's not just the children that are learning, it's also adults. Kids come away with more learning, more knowledge, the traditional way."

Jody Ward, IPA Ranger
Kiwirrkurra

"For me, Two-way Science has provided a way of thinking, planning and integrating Aboriginal perspectives and Western science in a meaningful and powerful way."

Karen Povey, Principal
Makybe Rise Primary School