



Aboriginal and Torres Strait Islander  
Mathematics Alliance

# ATSIMA

## PROSPECTUS

The Aboriginal and Torres Strait Islander Mathematics Alliance (ATSIMA) is an Indigenous-led charity, registered and incorporated in 2015.

ATSIMA vision is

**ALL ABORIGINAL AND TORRES STRAIT ISLANDER  
STUDENTS WILL BE SUCCESSFUL IN MATHEMATICS**

To achieve this vision, ATSIMA is creating new ways of teaching and learning mathematics by connecting to Aboriginal and Torres Strait Islander histories and cultures. By transforming mathematics education for Aboriginal and Torres Strait Islander learners all students benefit.

The National Assessment Program Literacy and Numeracy (NAPLAN) and The Program for International Student Assessment (PISA) results continue to highlight the gap in mathematics learning outcomes of up to two years difference between Indigenous and non-Indigenous students. The Closing the Gap Report 2020, reported that in 2018 between 17-19% of Indigenous students were below the national minimum standards in numeracy. As a result, Indigenous people are significantly under represented both professionally and academically within STEM fields across Australia.

ATSIMA is currently experiencing a period of growth due to a growing demand for support from schools and communities.

You are invited to join our partners to support and commit to ATSIMA's vision to continue the transformation in mathematics education for our First Nation students.



### STEM AND STEAM CAMPS

From 2015-2019 ATSIMA prepared and coordinated STEM and STEAM camps through local contexts based on culturally relevant learning. These cultural camps for Aboriginal and Torres Strait Islander students in regional and remote NSW, were in partnership with the NSW Department of Education Connected Communities and the NSW Aboriginal Education Consultative Group (AECG).

This model proved to be highly successful.

Due to demand ATSIMA is keen to expand and further develop this proven model in collaboration with other organisations in a diversity of contexts around Australia.

### YOUR PARTNERSHIP WOULD MEAN

- more Aboriginal and Torres Strait Islander students engaging with unique learning experiences in science, technology, engineering and mathematics and its application in their everyday and cultural environments
- activities carefully designed for students to see authentic connections between traditional cultural practices and modern technology
- programs that nurture student curiosity and motivation and an ongoing love of learning
- more students seeing themselves in STEM careers, identifying as Aboriginal and Torres Strait Islander scientists and mathematicians etc
- more Aboriginal and Torres Strait Islander academics, role models, industry leaders, teachers and community members working together to help students see these connections

# PARTNERSHIP OPPORTUNITIES



## PROFESSIONAL LEARNING

### PROFESSIONAL LEARNING FOR EDUCATORS

Teachers want to understand the connection between Aboriginal and Torres Strait Islander histories and cultures and mathematics to improve mathematics outcomes for their students. ATSIMA continues to work with many urban, rural and remote Communities and schools around Australia delivering professional learning programs.

While there is an increasing demand for support in this area, there is a distinct lack of experts who can deliver this type of learning.

### YOUR PARTNERSHIP WOULD MEAN

- more professional learning programs that develop culturally responsive teachers of mathematics who are able to connect with and value the cultural lives of their students
- development of a sustainable 'train the trainer' model for specialist educators to work with schools, communities and business across Australia

## RESOURCE DEVELOPMENT

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Quality resources are essential for teachers of mathematics.

Very limited resources exist for schools. A recent survey identified that 98% of ATSIMA members would benefit from resources that support the teaching and learning of mathematics with Indigenous students.

Educators need culturally responsive classroom resources to teach mathematics that engages students in learning.

### YOUR PARTNERSHIP WOULD MEAN

The development of high quality resources that support:

- place based learning
- the engagement of the local communities and business
- improved teaching practices and student learning outcomes

# PARTNERSHIP OPPORTUNITIES



## ATSIMA SCHOOL PROGRAM

### ATSIMA SCHOOL PROGRAM

The ATSIMA School Pilot Program will support schools to develop and implement effective teaching of the Australian Curriculum: Mathematics.

This Pilot Program will trial:

- training opportunities for educators in teaching mathematics from a cultural perspective
- engagement strategies between the school and local Indigenous Communities to explore connections between culture and mathematics
- ways to support school leaders and educators to transform their school's mathematics education program

### YOUR PARTNERSHIP WOULD MEAN

- support for the trialing of customised school based mathematics education programs for a range of schools and communities across Australia

## MEMBERSHIP AND NETWORKS

### MEMBERSHIP AND NETWORKS

Collaboration is at the heart of success. ATSIMA needs to expand its membership base and networks across Australia. This will increase our connections with school, communities and industry to promote our vision, build awareness and increase the take up of programs that will make a difference.

### YOUR PARTNERSHIP WOULD MEAN

- more people involved
- more ways of communication
- more awareness and understanding of ATSIMA's vision
- more people, communities and business collaborating

# PARTNERSHIP OPPORTUNITIES



## OPERATIONAL

### OPERATIONAL

ATSIMA is growing business. We are experiencing increased demand for support. ATSIMA needs to expand its operational capacity to meet this demand.

### YOUR PARTNERSHIP WOULD MEAN

Scaling up:

- our human resourcing
- our business and strategic models
- our projects and programs
- our opportunity and initiatives
- our membership and networks
- our footprint Australia wide

ATSIMA is a Public Benevolent Institution (PBI), registered with the Australian Charities and Not-For-Profits Commission (ACNC) and is registered with the Australian Taxation Office (ATO) as having deductible gift recipient (DGR) status. Donations over \$2.00 are tax deductible. ATSIMA's credentials are published on the ACNC and ATO websites.



## PARTNERSHIPS



## CONFERENCE PARTNERSHIPS 2020

