



In2 science

STEM peer mentoring in schools

"SHE HELPED ME THINK OF THE FUTURE, SHOWING ME WHAT TO EXPECT AT UNI AND THE DIFFERENT PATHWAYS I CAN TAKE."

— Year 9 student



LA TROBE
UNIVERSITY



MONASH
University



RMIT
UNIVERSITY

**SWIN
BUR
NE**

SWINBURNE
UNIVERSITY OF
TECHNOLOGY



THE UNIVERSITY OF
MELBOURNE

About us

In2science is an innovative, award-winning program which increases student engagement in maths and science by placing volunteer university students as peer mentors in secondary school classes.

In2science was established in 2004 and is a La Trobe University led collaboration with The University of Melbourne, RMIT University, Swinburne University of Technology and Monash University.

How does the program work?

In2science mentors work with secondary school science or maths students for a 10 week period. Working with the classroom teacher, the mentors help students, share their own experiences and motivations for studying at university, and relate school work to real-world examples. In2science has two delivery methods:

- 1. In-class Mentoring:** Mentors attend class in person and help the students with their learning in a small group or whole class setting
- 2. eMentoring:** an innovative online mentoring program that connects secondary school students in regional Victoria with eMentors over an interactive platform

"MY MENTOR MADE EACH SESSION MORE PERSONALISED BY MAKING THE TOPICS WE TALKED ABOUT RELATE TO THINGS THAT I LIKE, LIKE DOGS AND ANIMALS AND ALSO SPACE!"

– Year 8 eMentoring student, Virtual School Victoria



of eMentoring students have a better understanding of the pathways and opportunities available to them in STEM



of teachers noticed certain students engaged more in the lesson with a Mentor present

Program Aims

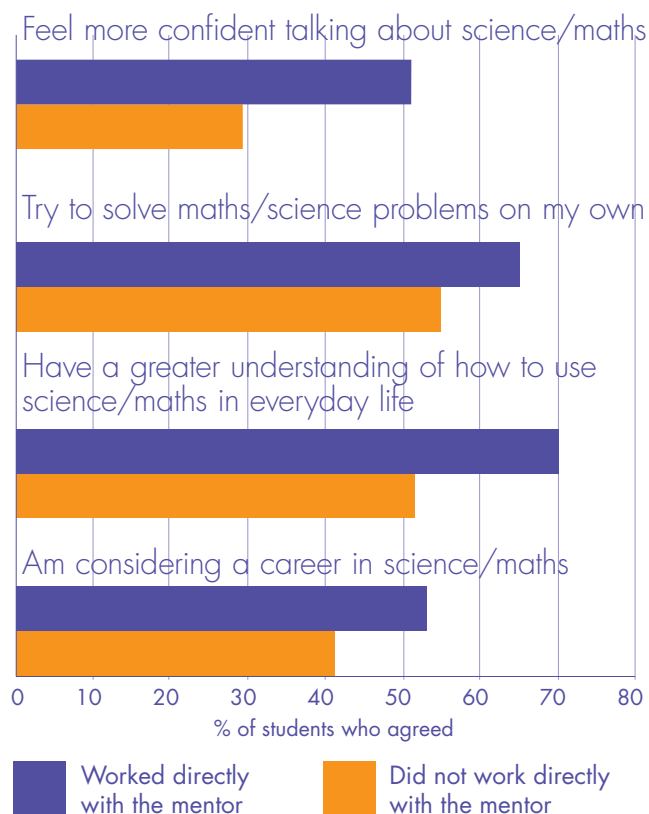
Increase **engagement** in science and maths for improved student outcomes, particularly for under-represented groups of students

Increase **awareness** of STEM skills in all careers for students, mentors and teachers

Create **partnerships** between universities & schools

After having an In2science Mentor I now...

ACER Evaluation 2017



Benefits of In2science

School students experience

- positive interactions with role models in STEM
- increased engagement in STEM
- increased connections between curriculum and the real world

Teachers gain

- additional classroom assistance and support
- access to current knowledge in STEM
- understanding of university courses and links with universities

Mentors develop

- communication and interpersonal skills
- an understanding of teaching and are more likely to consider it as a vocational pathway
- enhanced graduate capabilities

Universities increase

- educational outcomes for their graduates
- strength of relationships with schools

Industry partners build

- Deeper relationships with their communities, through In2science partner schools
- Connections with highly motivated mentors with outstanding communication and interpersonal skills
- Understanding of, and influence on, their local STEM talent pipeline

"IT INVIGORATES ME AS A TEACHER, TO BE HEARING ABOUT THE IMPRESSIVE WORK THE MENTORS ARE DOING IN THEIR FIELDS OF STUDY, AND IT OPENS STUDENTS' MINDS TO THE POSSIBILITIES OF LIFE AFTER HIGH SCHOOL."

Samantha Holt, Teacher
Epping Secondary College



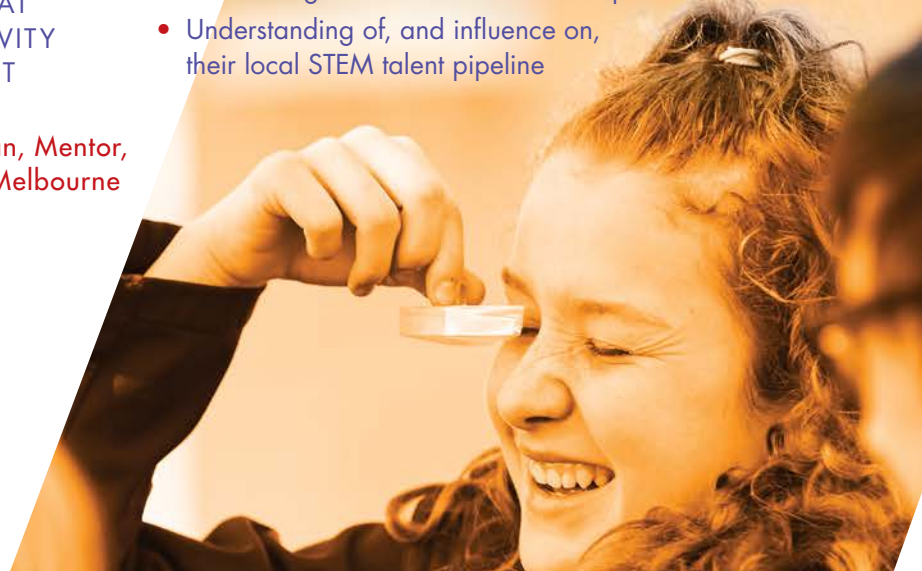
of Mentors agreed that participation in In2science developed skills they will use in the future

	2019	Total since 2004
Partner schools	58	170
Mentor placements	320	2,805
Students	5,822	69,182*

*based on an average of 22 students per class

"IN2SCIENCE PROVIDES A REALLY GREAT OPPORTUNITY TO APPLY YOUR CREATIVITY AND PROBLEM-SOLVING SKILLS TO GET STUDENTS EXCITED ABOUT SCIENCE"

- David Gavaghan, Mentor,
The University of Melbourne



"IT'S A WAY OF GIVING BACK TO THESE STUDENTS AND NOT UNDERESTIMATING THE POWER OF A MENTORING RELATIONSHIP."

Carla Rossimel, Structural Engineer, KBR
Participant in the KBR "Meet an Engineer" eMentoring sessions



In2science Partner Schools



Board Members

Dr Alan Finkel AO FAA FTSE

The Hon. Professor John Brumby AO

Professor Birgit Loch

Associate Professor Deborah King

Professor Kay Latham

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In2science Patron, Australia's Chief Scientist

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La Trobe University

The University of Melbourne

RMIT University

Swinburne University of Technology

Monash University

Business Higher Education Round Table

ACIL Allen Consulting

Ericsson



TOYOTA

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Dr Alison Every **In2science Program Director** • a.every@latrobe.edu.au • T +61 (0)3 9479 5398