

Building a Maths Bridge between Primary and Secondary School

AISACT CELEBRATING TEACHING AND LEARNING 2018
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How did this project come about?

- ▶ Working across Primary School and Senior School.
- ▶ Shared understanding for collaboration across both sectors, in particular Senior School students teaching Primary School students.

Success so far...

Year 8 Project

- Working with Year 3 students on the topic of Geometry (Transforming shapes)
- Replaced introductory revision lessons to the topic, instead students had to do their own revision while preparing their lesson.







Year 9 Project

- Geometry on the Cartesian plane
- Including translations, reflections, rotations
- Extend Y6 students
- Consolidation of their Geometry topics of enlargement & similar triangles.

Year 10 Project

- Lesson for Year 1 students
- A reflective activity as they approach the end of Year 10
- Challenges in interacting with the Year 1 students, and finding activities at 'the right level' – many were surprised by the level of the students.



Reflections from Year 10 students

“The year 10 and year 1 maths afternoon was an amazing experience. The experience taught us never to underestimate the Year 1 mind. We were very surprised at their mathematical knowledge as well as their love for sour cream and sushi. They were very open and eager to learn from us but what we didn't expect was that they already knew everything we planned to teach them. Year 1 were more experienced than I thought and that they had a lot of enthusiasm. We gave them chances to take a break but they wanted to continue to do maths but it was a lot of fun. Overall it was a very enjoyable experience and we would be glad to do it again.”

Reflections from Year 10 students

“Teaching the year 1's was a fun and enjoyable experience. We did some times tables and 2 digit addition and subtraction. We were surprised by how smart they were thinking they would have struggled although it was the opposite. For us year 10's it gave us an opportunity for leadership and fast thinking. We would happily work with the year 1's again.”

“Today we found that we had more of a challenge than we originally expected. We had a group of two girls who weren't the biggest fans of maths, but were willing to give it a go. We played some multiplication and subtraction games which the kids enjoyed. As a reward we played the 2048 game on the ipad mini which they really loved. It was quite difficult and I was surprised that they weren't very good at multiplication but they still gave it a good go. I decided I don't want to be a year 1 teacher ever.”

Where to from here?

- ▶ Staff CPLs across sectors (internal Professional Development).
- ▶ Primary and Secondary Teachers participating in Professional Development together towards shared goals of the teaching and learning of Mathematics skills, and ensuring a rich transition into the Senior School Mathematics classroom.
- ▶ Incorporate this project into teaching and learning programs.
- ▶ Cross campus mentor and mentee programs (PAC).

Obstacles to overcome

- ▶ Time vs content.
- ▶ Staff recognising the importance of peer learning.
- ▶ Timetables across both campuses (shared time).

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