KWSC
Infinitely Numerate!

Taught well – learned well

Complied by the ELIT – Explicit Learning Improvement Team
Our beliefs

- How well place value is taught is crucial to how effectively it is learned

- KWSC students are able to work mathematically because they understand
Understanding of the concept of place value (base ten system) empowers our students to:

- manipulate numbers
- estimate and calculate
- compare the value of numbers
- choose and convert measurement units of weight, volume, distance and area
- apply financial mathematics
- apply logic to solving problems
- develop their confidence in working mathematically
- engender a love for mathematics throughout their schooling
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How do we know about our students’ understanding of place value?

What we do at KWSC
1. All students Prep to Year 7 undertake assessment in place value (CDAT)
2. Teachers analyse class data
3. Data dissected by teachers and ELIT team to determine strengths and needs of individual students and year level cohort
4. Each student’s learning is documented and positioned on the KWSC Numeracy Data Wall
5. Learning plans and experiences developed for individual and groups of students
6. After a 4 week period of implementation, further assessment conducted to determine growth and inform subsequent learning. Successes celebrated by students and teachers.
7. Individual student place value achievements are collected over the child’s primary schooling then transitioned to the secondary campus for the next phase of *KWSC Infinitely Numerate*
I like doing sums at KWSC because they make me think and get my brain working. I love counting and putting numbers together in my head.

Tom
Year Two

I love problem solving at KWSC. It’s fun when you’re working with someone to try and get an answer. We both have different ideas and try not to let our egos clash. We try our best to work together to get the best answer possible, but when you work on your own you only have one idea. When you work with someone else you share your ideas. I also love working with tessellations in Maths because you can let your creativity shine.

Shea
Year Six

I was a bit nervous going into the Australian Maths Competition. It was kind of hard, but I worked through it and scored a distinction which put me in the top 3% across the nation.

I like to challenge myself so one afternoon I said to myself, ‘Ok Jayden, you’re going to work out 100 divided by 64.’ In my head I worked it out to be 1.5625. My favourite thing about using numbers is to be able to do stuff in my head. It’s handy because it saves time and I help Mum add up the times on her timesheet.

Jaiden
Year Five

All my teachers have taught me ways of checking my thinking – it makes it fun and I estimate the answer before I work it out. We put tape on our desks to work out quadrants and played games with them. Playing games is a more exciting way of learning. There’s always a purpose behind the games we play. At the end of our learning we give ourselves a level – I think I’m a level 3 or 4 (3 is I can do it on my own and 4 is I can help others). I like helping others because it’s like team work and it’s good opportunity for us to check our learning. With helping others it can make us all more successful.

Emily C
Year Seven