

7 HIGH IMPACT STRATEGIES THAT HELP STUDENTS 'GET' MATHS

MAKE MATHS REAL

- Link activities to real life
- Use engaging stories for problems
- Find Maths in the everyday
- Point out the Maths used in other subjects

DEVELOP NUMBER SENSE

- Assess, teach & monitor number sense
- Provide repetition of number sense-focused activities in daily numeracy warm-ups
- Use number lines so students see the relationship between numbers
- Consider how to modify a strand/activity to focus on number sense first

USE MATHS LANGUAGE

- Model correct mathematical language and link it to visuals
- Expect students to use accurate mathematical language
- Support/prompt students as necessary (It takes time to learn another language!)
- Repeat your activities/games regularly so the maths language is revisited and familiarity & confidence increase

BELIEVE IN ALL STUDENTS

- A teacher's belief will make all the difference
- If you think your students can learn, you'll look for what works to help them learn
- Challenge the 'maths brain' mantra
- Give your students every chance to succeed

KNOW YOUR SUBJECT

- Develop your knowledge of maths content, its relevance, progression and connectedness (know the curriculum)
- Find 'Big Ideas' in Maths eg: Equality
- Consider what visuals/activities/games are best to teach a concept/skill (eg: a number line for Number Sense)
- See patterns...Share patterns

KNOW YOUR STUDENTS

- Find out what they know - don't assume
- Use observations & interviews (generally superior to pen & paper tests)
- Analyse your data & program accordingly
- Check out Number Sense assessments
- Learn what interests them

GIVE SPECIFIC PRAISE

- Use Maths Language in your praise (eg. great counting backwards by tens)
- Be targeted in what you praise eg: use of place value language, pattern recognition
- Show them where & how they're improving
- DON'T praise speed

NEXT STEPS

- Consider what you still need to learn
- Check out how [Lynz Education](#) can help you with resources/ teacher mentor support /professional learning /teacher assistant & tutor training / best practice numeracy support implementation
- [Book a chat](#) with Lynz Education Director - Lynelle Campbell