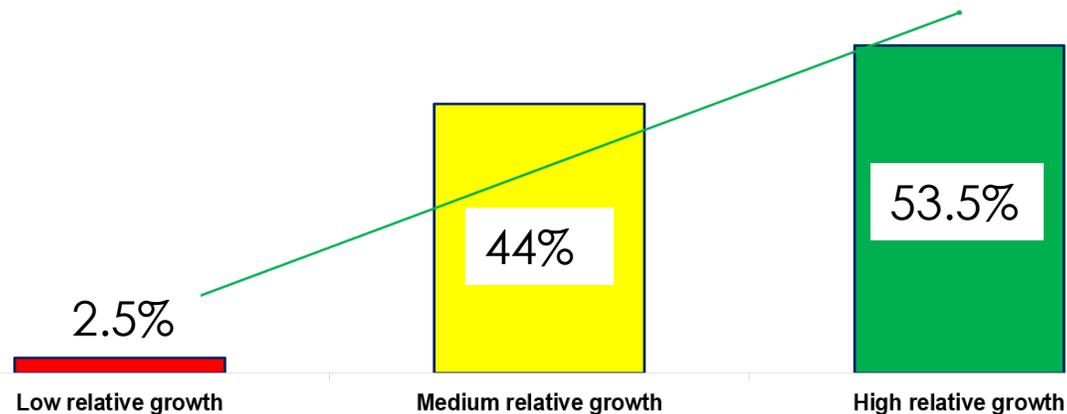


Lyndale Greens PS Relative Growth Results in 2018

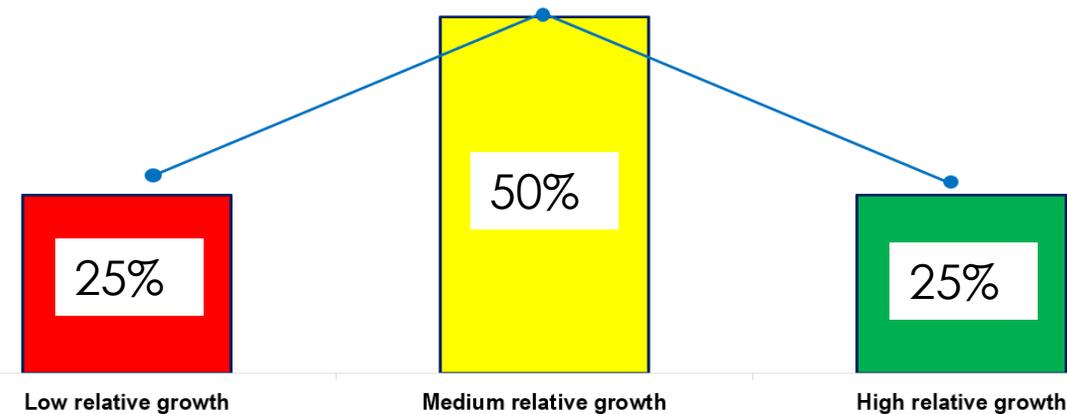
NAPLAN

Implemented school-wide for two years



Australia-wide

2018 NAPLAN

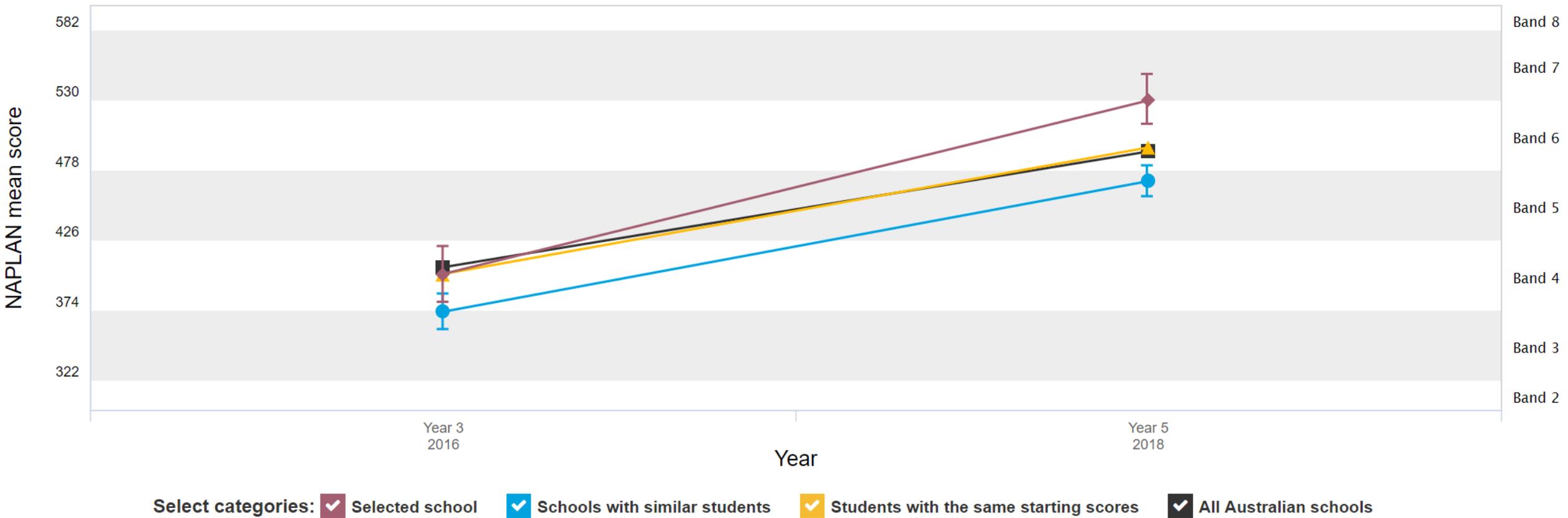


Top Ten Maths PD School: Lyndale Greens PS (large school, over 500 students)

Achieved one of the highest student gain results for numeracy for the 2016-2018 NAPLAN year 3 to year 5 matched cohort.

53.5% of students achieved high relative growth (compared to 25% Australia-wide) and only 2.5% of students scored low relative growth (compared to 25% Australia-wide), even though this school has 48% of its students in the lowest socio-economic quartile.

Year 3-5 Numeracy 2016-2018 Median



Most students in the matched cohort progressed from band 4 to band 7, making significantly stronger gains than similar schools, and exceptional gains compared to schools with the same starting scores. Essentially, despite the cohort's high starting point based on their strong growth up to Year 3, students at Lyndale Greens PS continue to make much stronger than average gains between year 3 and year 5.

Year 5 Numeracy Similar schools



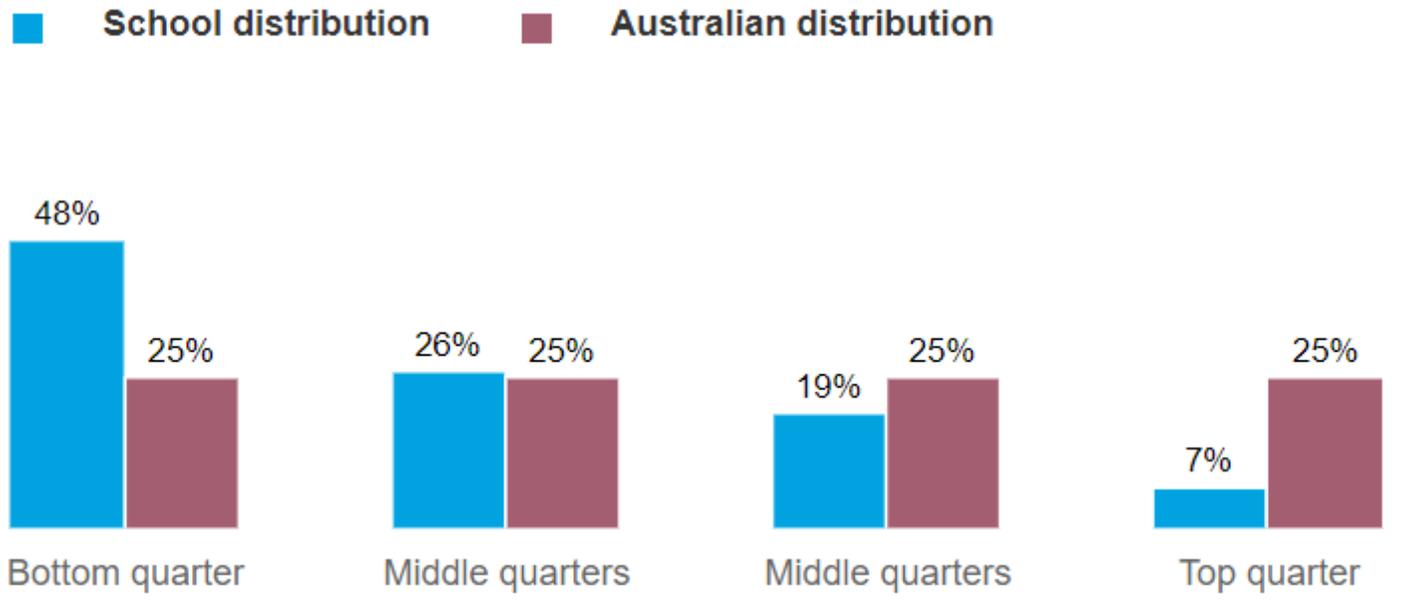
A clear outlier (3 out of 3 of our intensive PD schools in Victoria from 2016-2018 significantly outperformed their like schools) in terms of both raw scores and student gains in numeracy. Despite the size differences of our three PD schools, the graphs almost look identical because the outcome of using a hands-on approach to teach maths is the same, regardless of school size.

Student background

Index of Community Socio- Educational Advantage (ICSEA)

School ICSEA value	962
Average ICSEA value	1000
Data source	Parent information

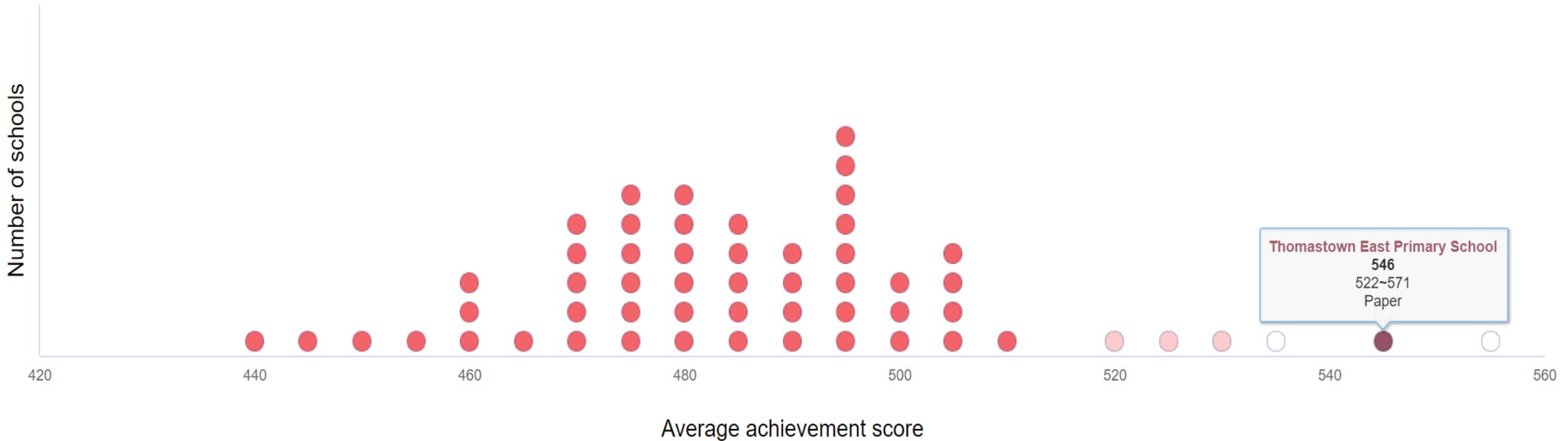
Distribution of students



Percentages are rounded and may not add to 100

All achieved in a disadvantaged socio-economic context with high ESL and refugee status, including 48% of students coming from the most disadvantaged socio-economic quartile.

Year 5 Numeracy Similar schools

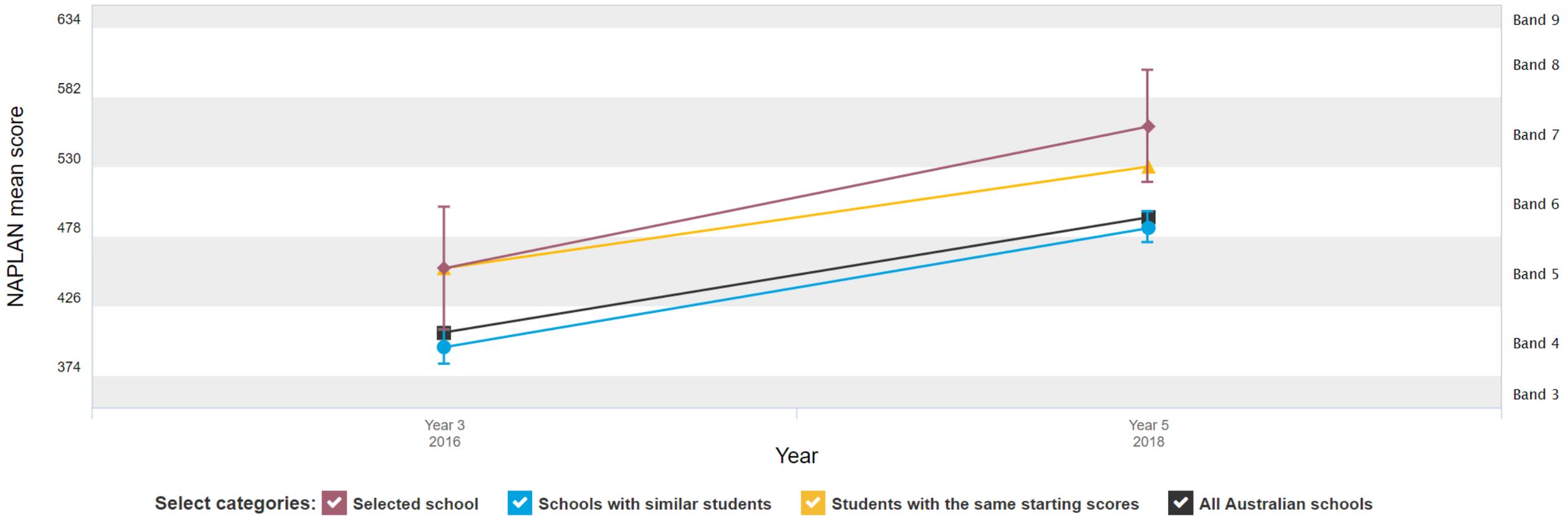


Partner PD School Thomastown East Primary School (medium school, 200 students)

This school's maths leaders were tasked by the Principal with finding the country's best program for numeracy and implementing it school-wide. Both leaders chose Top Ten Mathematics. Teams had PD during planning times and classroom modelling every term throughout 2017 and 2018.

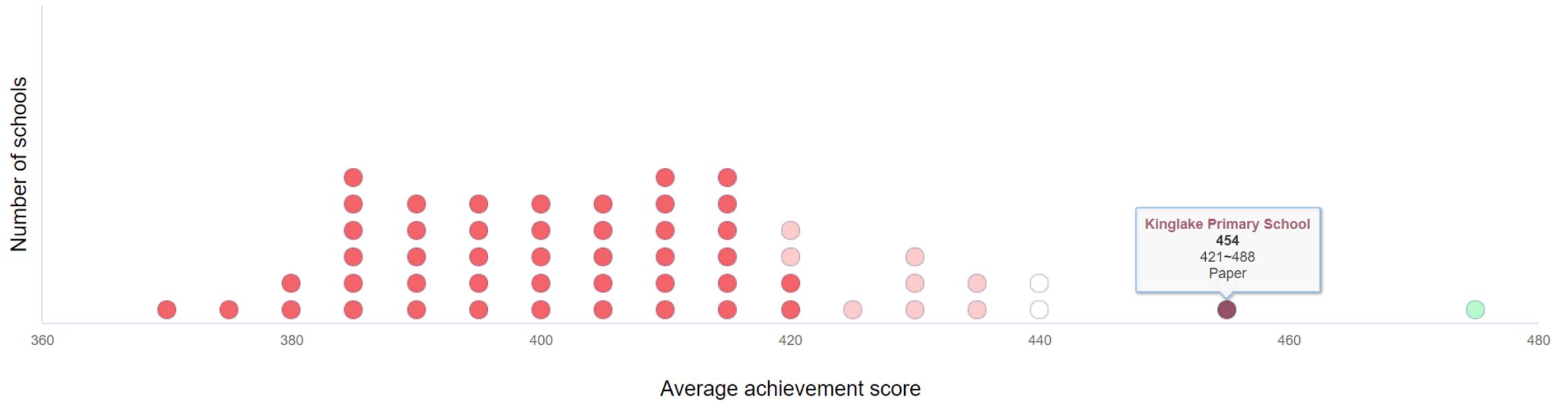
A clear outlier result (as shown above) in terms of both student gain and raw scores in numeracy, when compared to similar or all schools.

Year 3-5 Numeracy 2016-2018 Median



Continues to make significantly higher than average gains in numeracy despite the higher starting point of its students, relative to both all schools and similar schools. Most schools with high grade 3 results drop off by year 5 (yellow line), but not Top Ten Maths PD schools (burgundy data line of Thomastown East).

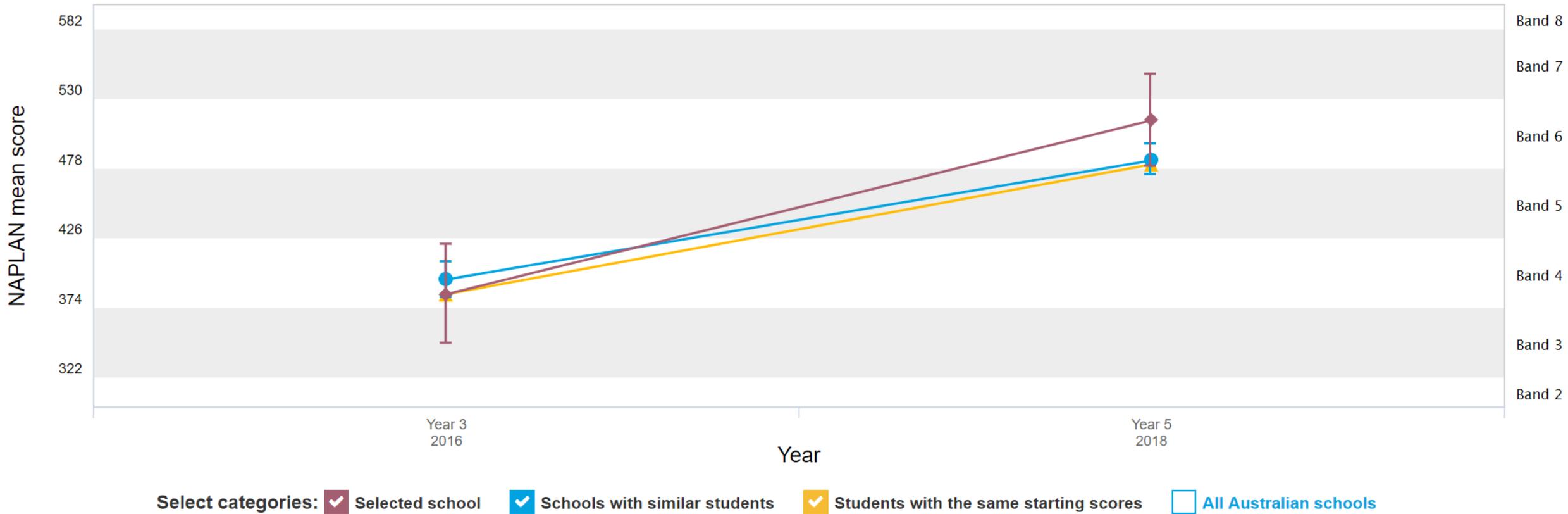
Year 3 Numeracy Similar schools



Top Ten Maths PD School: Kinglake PS (small school, under 80 students)

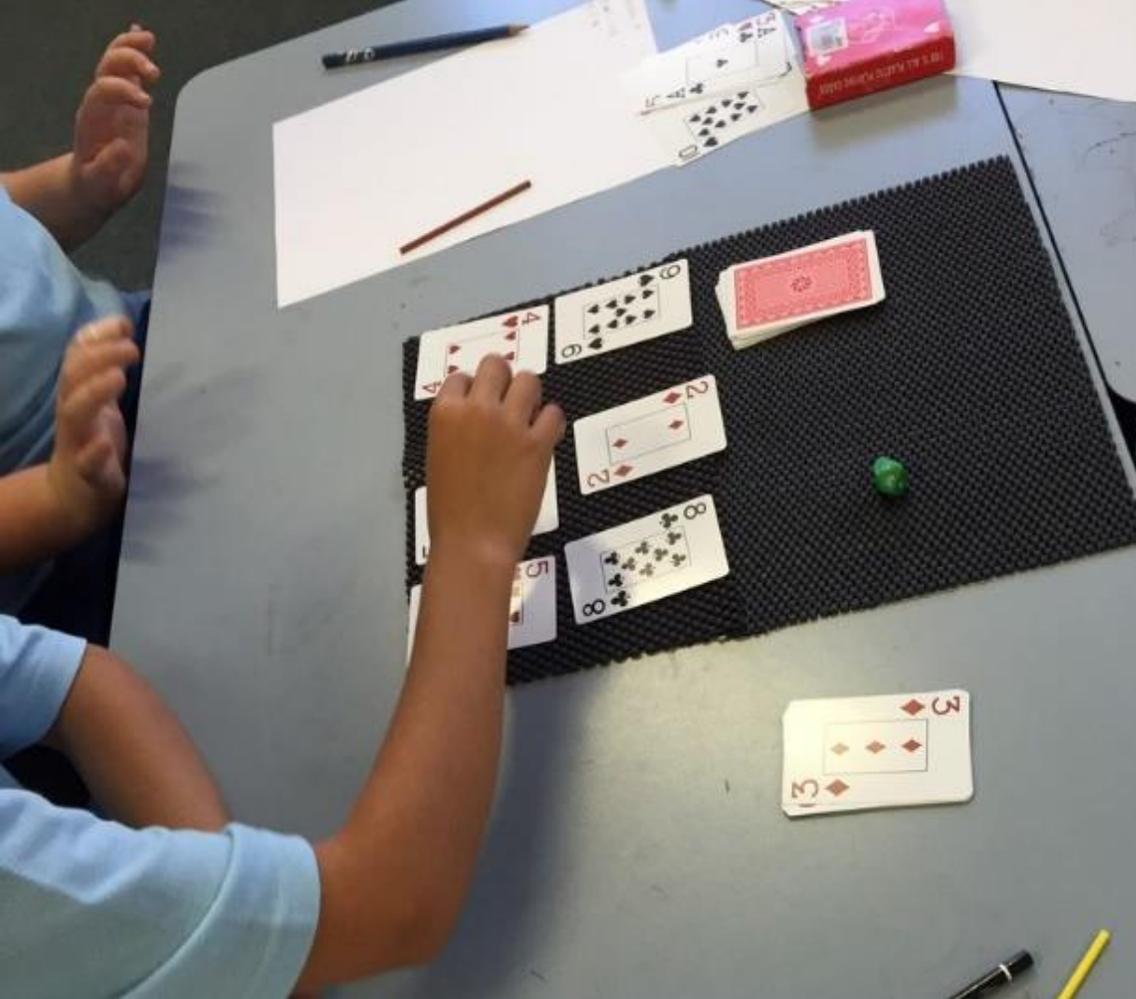
In 2018, grade 3 students at Kinglake PS performed the highest out of all like government schools' year 3 students and the second highest of all like schools in Australia (the highest was a catholic college).

Year 3-5 Numeracy 2016-2018 Median



Percentage of students in this year level for whom previous NAPLAN results (2 years prior) are available: 93%

The burgundy line of student gain: While in other like schools (blue and yellow lines) the matched student cohorts had average student gains from year 3 to 5, at Kinglake PS student gains between these year levels was notably higher (by almost an entire band). The growth and raw scores at Kinglake PS overtook like schools while using Top Ten.



A sequential, materials-based, hands-on approach to primary mathematics

About us

- Top Ten was founded and is entirely owned by Australian primary school teachers, not programmers or IT graduates. All units were created, then tried-and-tested in Australian classrooms for ten years (2006-2016). Our hands-on maths packs have been used by non-pilot primary schools since 2016.
- Our program is dedicated to bringing the power and joy of materials-based mathematics to life in every Australian classroom and to make engaging, high-impact mathematics instruction achievable for every Australian teacher.

How Top Ten is different to other approaches to numeracy instruction

- Top Ten uses a hands-on approach to maths, not worksheets or click-answer technologies. We take primary maths back to its origins – back to materials.
- While we often use technology (YouTube clips, interactive games, links to students' interests) as engaging hooks to tune-in students, the critical mathematical skills are established through explicit teacher modelling (fishbowls with materials) and with students using manipulatives to develop conceptions and efficient strategies.
- All units are developmentally-sequenced, taking teachers and students on a journey through the big ideas of mathematics.
- Top Ten diagnostic assessments are paper-based, focusing on strategies, not just answers. These then pinpoint developmental gaps using spreadsheets that calculate points-of-need, gaps, growth and value-add before and after each unit. Formative assessments are also built into the units.
- While all lessons and units are developmentally-sequenced and directly aligned to the Australian and each state's curriculum, our units go beyond what to teach and support teachers on a day-by-day basis with how to teach.

Feedback from Top Ten member schools

“Our teachers are actually enjoying teaching maths again! The way Top Ten is set up takes the guesswork out of planning. We love the packs!”

Ms Michelle Young, Principal, Bruthen Primary School (2019)

“The packs have high quality mathematics teaching that is hands-on with everything you need in one spot. Fantastic lessons! Making outstanding mathematics teaching easy!”

Ms Donna Krenn, Assistant Principal, The Basin Primary School (2019)

“We were looking for something to make our maths teaching more engaging and real for our students, and we found something really great in Top Ten. The activities are fun and interesting for the students, but also explicitly target needed skills. I’ve especially loved watching students at all levels building a deep conceptual understanding of key maths ideas, which they can easily transfer to subsequent tasks. Best of all, the students are excited when they see maths on the timetable!”

Mr Steven Edwards, Numeracy Leading Teacher, Mill Park Primary School (2018)

Feedback from Top Ten member schools

“We love the clear learning intentions; enabling and extending prompts; and photos that show what work (especially recording methods) might look like in a real classroom. The packs are teacher-friendly. The activities are engaging and fun for the learners and teachers too. They use simple equipment in a variety of ways.”

Sue and Katrina, Maths Leaders, Pakenham Hills Primary School (2019)

“We have been using Top Ten for most of the 2019 school year. It’s been great to help teachers develop or refresh their understanding of the developmental sequence of learning. The lessons are extremely hands on and the linked resources support our maths pedagogy of open, inquiry maths learning.”

Ms Tracey Silvers, Numeracy Learning Specialist, Ashburton Primary School (2019)

Feedback from Top Ten member schools

“Top Ten has reinvigorated and improved maths teaching and learning at Yeo Park within a few short terms. Teachers find the differentiation included in each lesson and within assessment has allowed them to cater to individuals successfully. We love the maths library and lessons! The best part for us, as a school who teaches using inquiry methodology is that Top Ten is centered around student inquiry, problem solving, hands on, engaging lessons that the teacher will enjoy delivering.”

Ms Fiona Wood, Yeo Park Infants School, Ashfield (2019)

“We love the hands on activities and pictures that show you exactly what to do! Both our students and teachers are happier since we have used Top Ten Maths packs.”

Nicki, Instructional Leader, Narranga Public School (2019)

“An excellent hands on resource that links literacy and numeracy.”

Melissa, Instructional Leader of Numeracy, Hurstville Public School (2019)

Feedback from Top Ten member schools

“We are really enjoying using Top Ten and have actively embraced it as an important resource for planning. I have found the assessments very helpful. This term I designed a rubric using the Top Ten assessment to trial with multiplication. We trialled it in Year 3 to do the pre-test and highlight for each child the stage they were at. It helped us form groups and target learning intentions. For the post-test we then just assessed gaps rather than the whole test and highlighted in a different colour on the rubric. This was really helpful and assisted teachers with working developmentally to meet the needs of their learners. We've also been able to show some parents what stage their child is at and give them information about how to assist them and what we are doing at school to assist them. There has been a lot of positive feedback from parents and students about how much they enjoy learning maths now. Thank you for your amazing resource.”

**Ms Nicole Nolan, Junior School Mathematics Leader,
The Hills Grammar School (2019)**

Feedback from Top Ten member schools

“We have just reviewed our whole school model of maths instruction. The Top Ten Numeracy Package fit perfectly into the new model that we created and assisted teachers to implement our model with ease. The engaging hook activities were particularly utilised, as this was the newest element of our model. Staff found that there were many fabulous ideas for these hooks and it actually inspired them to come up with their own ideas. The highlight is the highly engaging activities, particularly the 'zero worksheet' element of the resource. Many other resources just provide you with worksheets to use.”

Ms Lauren Ray, Curriculum Coordinator, White Hills Primary School (2017)

“This is a great resource for staff. All components are user friendly and easy to use. The resource has been a great hit with our staff and is being extensively used by teachers at all year levels.”

Mrs Sue Jones, Principal, Cranbourne Park PS (2017)

Feedback from Top Ten member schools

“We have been thrilled with the Top Ten Maths program and recommended this widely to other schools as it has been so helpful to my school. The resources have been received highly by my staff.”

Mrs Kerry Coffey, Principal, Fleetwood PS (2017)

“The Top Ten Numeracy Package is bursting with great lesson, modelling and warm-up ideas, as well as suggested resources (e.g. picture story books). The activities are engaging, easy to follow and well-supported by accompanying photos. They build on and develop mathematical conceptual understandings sequentially. The Pre- and Post-assessment tasks are useful for measuring prior knowledge and growth in learning.”

Ms Penny Esposito, Maths PLT Leader, Heany Park PS (2017)

Feedback from Top Ten member schools

“All of our year levels are using it as a starting point for planning. Teachers love the literacy links and connections and the great rich tasks. It has added so much to our teachers' confidence.”

Ms Jodie Bray, Principal, Hillsmeade PS (2017)

“Every student at our school is experiencing success with Maths every day. This program has revolutionised the way in which our students feel about Maths. It has led to astoundingly improved student engagement and comprehensive progress in student outcomes. The pre and post testing component is invaluable, in that it continually directs teaching towards targeting specific goals that are achievable for each student. All lessons utilise peer teaching and practice, and zero in on understanding the language of Maths which is crucial for students to attain real, deep and rich understandings of the concepts being taught.”

Ms Rebecca Szeremeta, Numeracy Leader, Thomastown East PS (2018)

Hands-on Maths Pack inclusions

To maximise each teacher's time, our sequential units and rich tasks include:

- Photographs of numeracy leaders' classroom modelling, lessons in action in real classrooms and detailed student work samples.
- Warm-ups and engaging hooks.
- Sequential learning intentions and relevant maths vocabulary for every session.
- Pre-planned enabling and extending prompts to cater for the wide range of abilities that exists in any classroom, with extension and support built into every rich task.
- Diagnostic and formative assessments that pinpoint points-of-need, developmental gaps, calculate growth and track impact for targeted teaching.

Thank you for your time

More information and sample packs: www.toptenresources.com

Enquiries or questions: maths@toptenresources.com

A decorative blue geometric shape at the bottom of the slide, consisting of a large blue trapezoidal area with a smaller blue triangle pointing upwards from its top edge, centered horizontally.