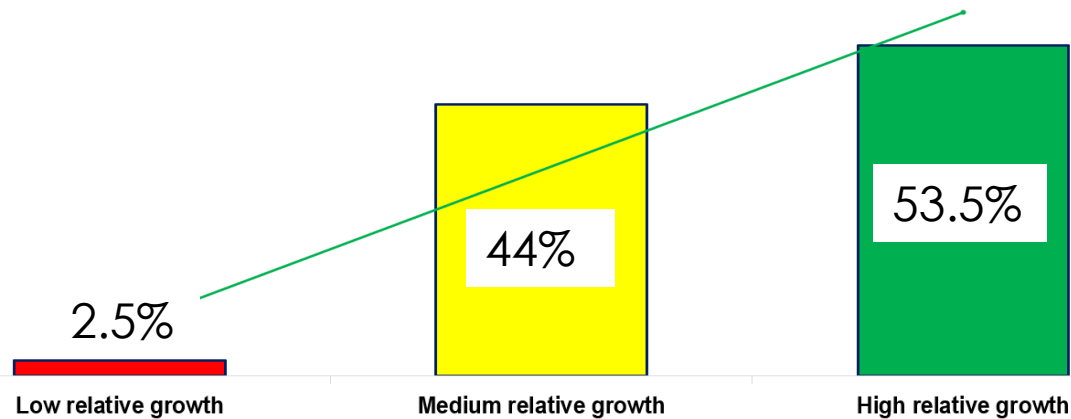


## Lyndale Greens PS Relative Growth Results in 2018

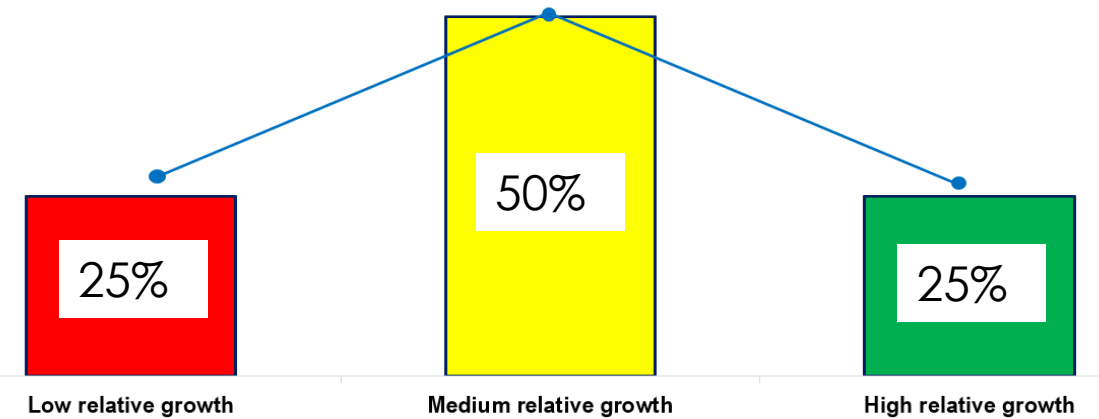
### NAPLAN

Implemented school-wide for two years



## Australia-wide

### 2018 NAPLAN

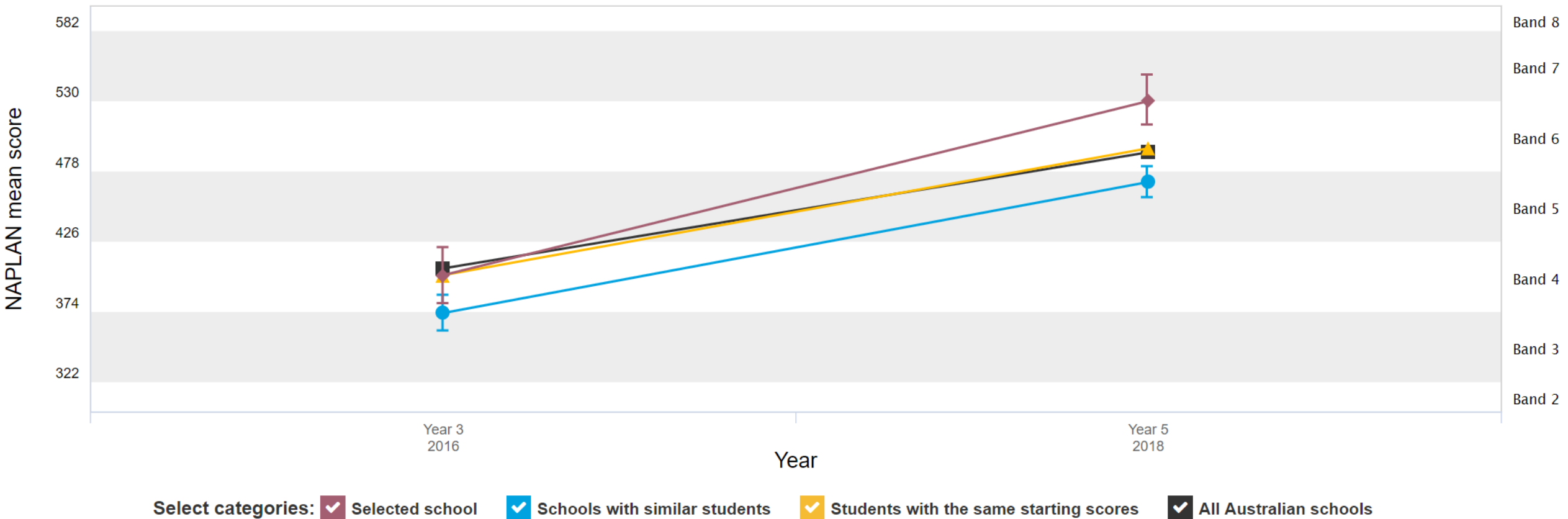


# Top Ten Maths PD School: Lyndale Greens PS (large school, over 500 students)

Achieved one of the highest student gain results for numeracy for the NAPLAN year 3 to year 5 matched cohort after two years of intensive implementation with coaching in classrooms and team planning days (2016 to 2018).

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. Even though the cohort had strong growth up to Year 3, students at Lyndale Greens PS continued to make much stronger than average gains between year 3 and year 5.

Year 5 Numeracy Similar schools



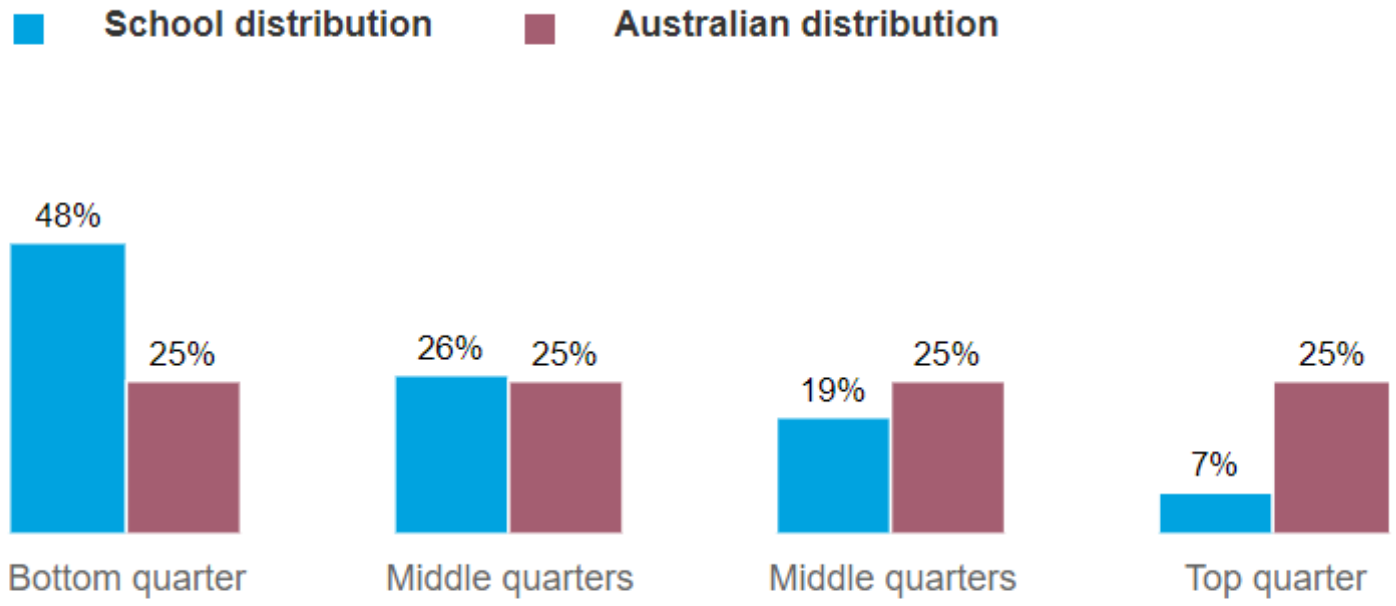
A clear outlier (3 out of 3 of our intensive schools significantly outperformed their like schools) in terms of both raw scores and student gains in numeracy. Irrespective of the size differences of our three PD schools, the graphs almost look identical because the outcome of using a hands-on approach 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.

# 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 over ten years (2006 to present). 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 (for example, the New NSW Syllabus, WA Curriculum and Victorian Curriculum), our units go beyond what to teach and support teachers on a day-by-day basis with how to teach.

# 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, emphasise growth and track impact, all based on students using strategies (not just clicking answers).

# Thank you for your time

More information and sample packs: [www.toptenresources.com](http://www.toptenresources.com)

Enquiries or questions: [maths@toptenresources.com](mailto:maths@toptenresources.com)

