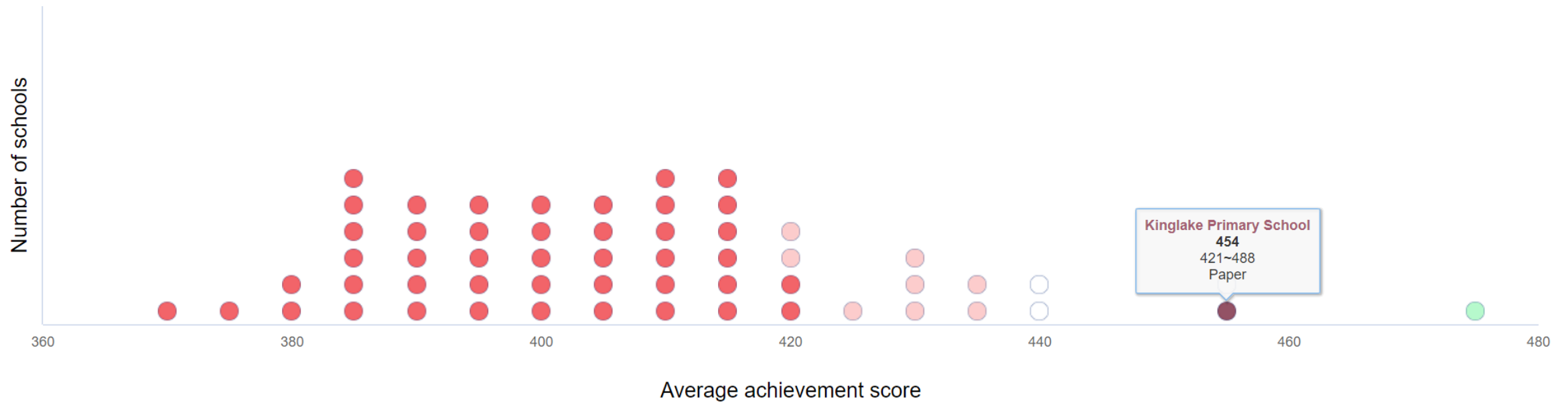


**Intensively piloted as part of  
numeracy consultancy work  
and an intensive research project  
at three Australian primary schools  
(different sized campuses, all in  
disadvantaged regions)  
between 2016 and 2018 (pre-COVID)**

Intensive term-by-term numeracy coaching, planning workshops with teams and curriculum days over the course of two years.

NAPLAN student gains and comparisons to like and all Australian schools published by ACARA are detailed in this document.

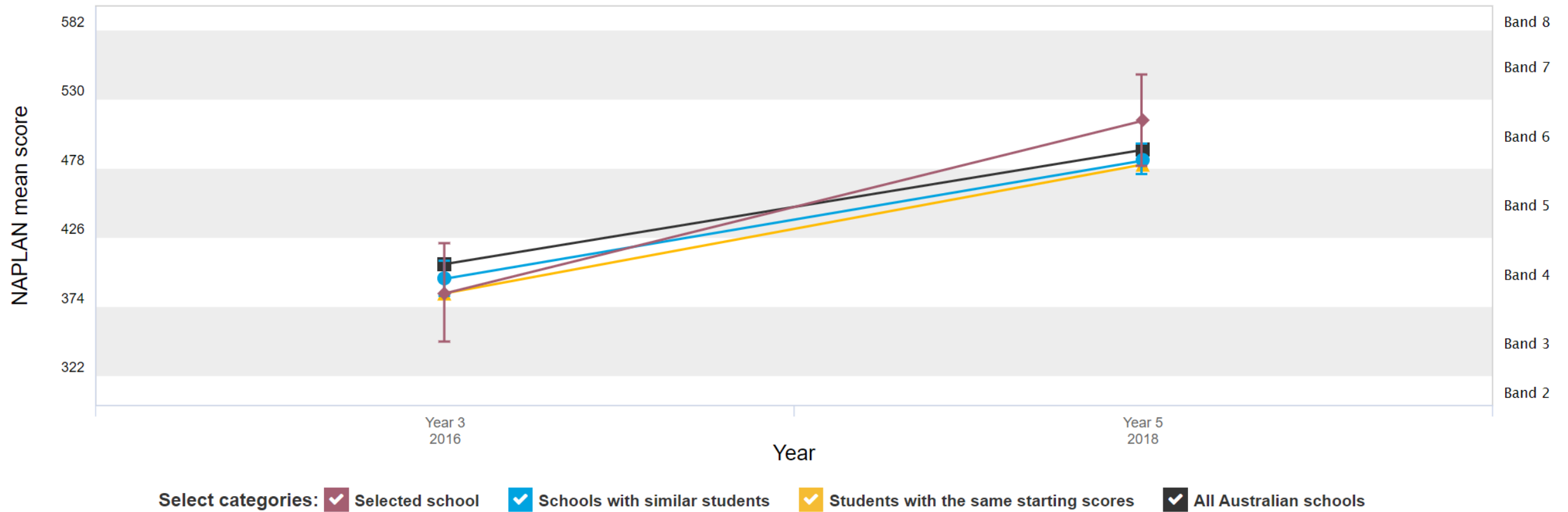
## Year 3 Numeracy Similar schools



## 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). Both the growth and raw scores at Kinglake PS overtook like schools after using Top Ten.

# 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-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)

