



IMPROVING MATHS IN QLD, 2018

Mentoring, professional learning and data analysis for 40 teachers
Begins February

Six days of live advanced training

Reports on your NAPLAN and PAT

Effect size 0.7 in PAT M, 2016 and 2017

Targeted to Prep-Year 5

*Resources:
Website, books,
data tools, DVDs*

*38 webinars to
train the rest of
your staff*

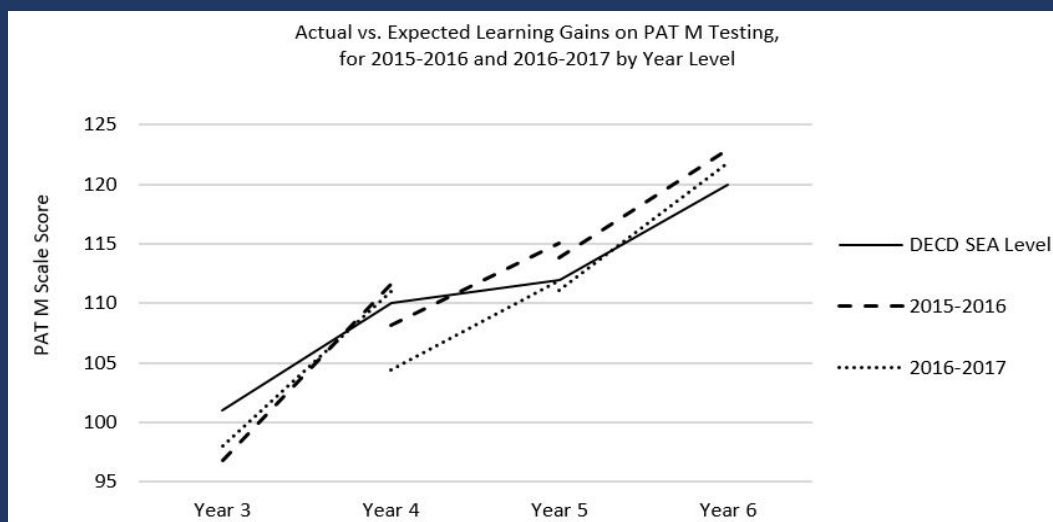
Know your impact and improve your effectiveness with students.

Find and fix underlying misconceptions to truly catch students up.

Develop complex and challenging tasks to extend your gifted students.

Analyse your own data, Train your own staff.

On average, students gained 28 months of extra maths growth over two years



PAT Maths performance of the lowest 20% of students in six primary schools in similar projects. All groups caught up in 12 months. Effect on lowest 20% was 0.67. Effect on highest 20% was 0.66.

Targeted improvement for Prep - Year 5 teachers and leaders

This advanced course will provide leaders and key teachers with the **knowledge, skills and resources to train your own staff** in how to improve the mathematics and numeracy results in your school.

Project Inclusions and Value

- Six days of live training throughout 2018 – see outline (*value: \$1300/person*)
- Data analysis, evaluation and reporting: includes NAPLAN, PAT and supplied diagnostic testing, with two tailored reports for your school (*value: \$3000/school*)
- Access to 15 live webinars and 23 recorded sessions to train your staff (*value: \$1500/school*)
- Books: Back to Front Maths series, Interventions in Mathematics series, Assessment and Moderation, Project training manual and DVD (*value: \$600/person*)
- Website access: to all Back to Front Maths materials, including all training materials for leaders and course attendees (*value: \$1500/school*)
- One-on-one mentoring

Project total cost: \$1450/person

Where: **Pallara State School**, 39 Ritchie Street, Pallara QLD 4410

When: 26 Feb, 15 Mar, 23 + 24 Apr, 19 Jul, 9 Oct

Register: <https://www.backtofrontmaths.com.au/events>



About the Presenters:

Tierney Kennedy is well-known to Curriculum Leaders for her highly-practical approach to professional learning, focus on improving student results and ability to work with teachers at all stages of learning. Her improvements to schools' NAPLAN and PATM results have been well documented. Tierney has run major projects with 20% of SA schools over the past two years.



Leah O'Neill is a former principal of a one-teacher school, head of curriculum and learning support teacher as well as being an early primary specialist. Leah co-authored *Back-to-Front Maths* with Tierney and has been consulting since 2011. Teachers and principals alike have praised her approachability, flexibility and strong knowledge base of developmental teaching.

Outline for training days

Day One: Effective intervention and building conceptual understanding

- Effective teaching through challenging tasks and conceptual change processes
- Live demonstration lesson, with a focus on misconceptions, questioning, diagnostic assessment and strong growth
- Closing the gaps for struggling students
- Focus on key number concepts of Quantity, Partitioning and Place Value and developing deep understanding, including analysis of diagnostic testing
- Opportunity to raise all concerns and issues with mathematics teaching

Day Two: Teaching for differentiation

- Group planning and implementation of a conceptual change lesson
- Focus on proficiency strands
- Focus on practical strategies for differentiation
- Planning for project progress and development of implementation strategy

Day Three: Analysing growth and data

- Data analysis of student growth from project so far
- Profiling students who are not growing
- Use of problem solving to develop Place Value and Multiplicative Thinking
- Optional: NAPLAN analysis and targeted growth strategies *if selected by participants*

Day Four: Assessment and moderation

- Assessing problem solving, reasoning and understanding
- Overall grading and reporting
- Effective moderation
- Task design and trial

Day Five: Learning design and extension

- Demonstration lesson
- Principles of design of effective learning
- Creating lessons and units that are challenging and also responsive
- Adapting existing school resources to add challenge and complexity to meet the needs of high-achieving students
- Focus on developing Proportional Reasoning (fractions, decimals, rates, percent)
- Focus on Chance and Data

Day Six: Moderation

- Moderation strategies: calibration, annotations and portfolios
- Analysis of our growth data
- Leading staff for change

For further information, phone Kennedy Press (07) 3040 1177, email admin@kennedypress.com.au or contact the hosting school directly.

Register here: