

LITERACY AND NUMERACY

The Neuroscience of Learning

MONDAY 17 JUNE 2019



**Dr Donna
Nitschke**

*Teacher and
Educational
Neuroscientist*



Learning 4 All

ALL STAFF IN PRIMARY SCHOOLS INCLUDING SCHOOL AND CURRICULUM LEADERS, CLASSROOM TEACHERS, SPECIAL EDUCATION COORDINATORS, AND SCHOOL ASSISTANTS

This workshop is intended for all school staff working with students or involved in planning, program or policy development for literacy and numeracy development. The workshop will provide information about: how the brain approaches reading, including considerations of dyslexia and hyperlexia; the range of reading intervention programs currently available which use neuroscience research as a basis; how the brain approaches mathematics with particular emphasis on the Big Ideas in Number and Professor Di Siemon's work; recommended approaches to teaching aspects of Number with special consideration for building multiplicative thinking.

Learning outcomes for this workshop include:

- a better understanding of the cognitive processes recruited when learning to read and the available programs and interventions using a neuroscience-based approach
- a broader range of pedagogical tools for supporting positive literacy outcomes for students
- a better understanding of the cognitive processes required to build numeracy skills
- a broader range of pedagogical tools for supporting positive numeracy outcomes for students

Certificates will be provided that include reference to the Teacher Standards that apply to this workshop:

- ✓ **Standard 1.2** Understand how students learn: Expand understanding of how students learn using research and workplace knowledge.
- ✓ **Standard 2.1** Content and teaching strategies of the teaching area: Apply knowledge of the content and teaching strategies of the teaching area to develop engaging teaching activities.

ABOUT THE PRESENTER

Dr Donna Nitschke has a long established career in the field of education. This has included teaching at all levels – primary and secondary schools, TAFE and university. She has also worked for several specialist educational organisations, and was a senior project officer for the Ministerial Advisory Committee; Students with Disabilities. Between 2009-2018, Donna designed and implemented a neuroscience-based program across a group of 4 Adelaide state metropolitan primary schools. Donna's PhD explored the effectiveness of her program in supporting students to improve personal learning skills (i.e. executive functions). Her study demonstrated that a weekly targeted 45-minute lesson can lead to measurable improvement in attention skills and self-regulation over a 20-week period.

DATE: MONDAY 17 JUNE 2019
TIME: 9.00AM - 3.30PM
COST: \$150 GST INC
VENUE: THE HIGHWAY
290 ANZAC HIGHWAY, PLYMPTON
REGISTER: www.learning4all.com.au

Tea and coffee on arrival, morning tea and lunch provided. Free onsite parking available.

