



Education Leaders Forum 2015

Brain Changing & Mind Shifting Neuroscience insights into learning and leading

25 & 26 August, Waipuna Lodge, Auckland



Education Leaders Forum
is a SmartNet Event
www.smartnet.co.nz

Welcome to ELF15

The ninth annual Education Leaders Forum focuses on insights from neuroscience into boosting student achievement and leading learning change. The ELF 15 programme features an interesting intersection of cognitive development programme pathfinders, researchers, practitioners and parents. It will strengthen professional education leadership and enhance emerging learning practice right across the learning spectrum. I would like to thank all our contributors, sponsors and supporters for making this important forum possible and to welcome all participants to an eye-opening and mind-set shifting two days.

Lyall Lukey, Convener

Key Speakers



Barbara Arrowsmith-Young
Toronto

Author of *The woman who changed her brain*



Prof. Peter Thorne
Auckland

Centre for Brain Research



Anne Riches
Sydney

Change Leadership
Anne Riches Consulting

Topic: *A Personal Journey into the Plastic World of the Brain*

Topic: *Some Learning Implications of New Neuroscience*

Topic: *The Limbic System and the Education System*

For more detail on Contributors go to: www.smartnet.co.nz

Other speakers



Dr David Moreau
Researcher
Centre for Brain Research
Evidence-based Interventions



Dr Anna J. Wilson
Cognitive Neuroscientist
How Neuroscience can better inform Education



Shirley Maihi
Principal
Finlayson Park School
How our Arrowsmith Programme works



Vaughan Couillault
Principal
James Cook High
Shifting Mindsets



Carla McNeil
Principal
Korakonui School
Choosing and Implementing the Brain Gain programme



Julie Nugent
Enhanced Learning
Saint Kentigern College
Cogmed Working Memory Training



Jan Wigmore
A Parent's Perspective



Rachel Calcinaï
A Parent's Perspective

Wi Fi Internet Access: This will be available during the forum at Waipuna—Password: **ELFCONFR**  **#EdLeaders2015**

Questions or concerns during the conference

Contact Sue Mardon – Conference coordinator – 0274911283 or Sandra Lukey - Conference support – 021 2262858

Feedback

At the conclusion of ELF15 we would appreciate your feedback via the feedback form in your delegate bag (please leave at registration table).

Thank you to our Sponsors and Supporters





Day 1 Programme Education Leaders Forum

Tuesday 25th August 2015

Brain Changing & Mind Shifting

Neuroscience insights into learning and leading

Day 1: Brain Changing will focus on insights from new neuroscience into boosting student achievement.

8.15am Conference Centre Entrance (open all day)

Registration, networking and coffee

8.50am Plenary

Mihi whakatau

9.00am Plenary

Overview

Lyall Lukey ELF Convener

9.15am Plenary

A Personal Journey into the Plastic World of the Brain
Shaping The Mind/Enhancing Different Cognitive Functions

Barbara Arrowsmith-Young, Author of *The woman who changed her brain*

10.30am Horizons

Networking Break

10.50am Plenary

Some Learning Implications of New Neuroscience
Exploring the synergies between the neuroscientific and educational paradigms.

Prof. Peter Thorne Centre for Brain Research, Auckland University

11.40am Plenary

Designing evidence-based interventions to remediate learning difficulties in children

Dr David Moreau Centre for Brain Research, University of Auckland

12.10pm Plenary

How can Neuroscience better inform Education?
- Bridging the gap between education and neuroscience

Dr Anna J. Wilson, Cognitive Neuroscientist

1.00pm - 2.00pm Horizons

Networking Lunch Break

2.00pm Plenary

How the Arrowsmith Programme works in our school
Finlayson Park School's two years' experience with the Arrowsmith Cognitive Programme which uses the principles of neuroplasticity to rewire the brain of children and adults with cognitive learning challenges.

Shirley Maihi, Principal, Finlayson Park School, Manurewa

2.30pm Plenary

How the Cogmed Programme works in our school

After researching a number of intervention approaches to support students with processing difficulties, three years ago the College embarked on a journey that included the Cogmed Working Memory Training Programme.

Julie Nugent Saint Kentigern College

3.00pm Plenary

Perspectives from two parents

Rachel Calcini

Jan Wigmore

3.20pm Horizons

Networking Break

3.45pm Concurrent Workshops

Workshop 1 Banquet 2

Education and Neuroscience: Myth Busting and Knowledge Building

-Debunking some neuromyths and considering some useful resources.

Facilitator:

Dr Anna J. Wilson Cognitive Neuroscientist

Workshop 2 Banquet 1

Exploring Cognitive Development Programmes

Considering a range of different approaches incorporating the principles of neuroplasticity and the wider implications for teaching and learning.

Facilitator: ELF Steering Team Member

Commentators

Dr David Moreau Centre for Brain Research

Shirley Maihi Finlayson Park School

Julie Nugent Saint Kentigern College

Rachel Calcini Parent

Jan Wigmore Parent

5.15pm—6.15pm Horizons

Hosted drinks, nibbles and networking

Courtesy of **Schneider Electric NZ.**

6.15pm—End of day 1



Day 2 Programme Education Leaders Forum

Wednesday 26th August 2015

Brain Changing & Mind Shifting

Neuroscience insights into learning and leading

Day 2: Mind Shifting –will draw upon neuroscientific and other research which explains human reactions to change and points to strategies for facilitating organisational change with minimum resistance and maximum effectiveness.

8.30am Conference Centre Entrance (open all day)

Registration, networking and coffee

9.00am Plenary

I've Been Thinking

9.15am Plenary

The Limbic System and the Education System

-Emotion v Logic: Understanding human behaviour, overcoming resistance and facilitating change through the lens of neuroscience.

Anne Riches Anne Riches Consulting, Sydney
www.anneriches.com

10.30am Horizons

Networking Break

10.50am Plenary

Our Field of Endeavour

The story of the contributions of staff, students and families to learning culture change in response to the NCEA challenge at James Cook High School 2012-2015.

It will be more a story told about the journey the school is on and will include comments around the change of Principal, Te Kotahitanga, image modernisation, organisational restructure and all of the others things that helps students to be better.

Vaughn Couillault Principal, James Cook High School, Manurewa

11.30am Plenary

Choosing and Implementing Brain Gain

Where we have come from in refining our literacy teaching practice, what is guiding our direction, how this links to our school values, what the outcomes have been and where we are heading.

Carla McNeil Principal, Korakonui School, Te Awamutu

12.00 Noon Plenary

Choosing and implementing enhanced learning strategies

Incorporating international thinking about how the brain learns and the effective use of technologies, the College empowers students who think and process the world differently.

They are more likely to experience academic and social success when learning barriers are removed, strengths recognised and skills remediated. Julie will outline a range of enhanced learning strategies and the success factors in their effective implementation.

Julie Nugent Enhanced Learning Coordinator, Saint Kentigern College, Pakuranga

12.30pm—1.30pm Horizons

Networking Lunch Break

1.30pm—3.00pm Concurrent Workshops

Workshop 1 Banquet 1

How to Lead Effective Change

-Insights, skills and resources to equip education change leaders to reduce resistance and increase positive engagement in collaborative initiatives.

Anne Riches Anne Riches Consulting, Sydney
www.anneriches.com

Workshop 2 Banquet 2

Learning Neuroscience and Vocational Education

-Some implications and applications

Kevin Lynn GM Commercial Operations, Schneider Electric NZ
Ruma Karaitiana CE BCITO

3.15pm

Where to Next?

3.45pm Forum Ends

"... Neuroplasticity has huge implications for education ..."

Norman Doidge, M.D

"What we urgently need now is a new paradigm in education - one that crosses the great divide between neuroscience and education. This new model will wholeheartedly embrace the life-altering concept of the changeable brain and use the principles of neuroplasticity. The end result will be a fundamental change in the learner's capacity to learn."

Barbara Arrowsmith-Young

"When introducing and implementing change in organisations, people can be encouraged and moved from resistance to commitment. But it takes skill and strategies to change entrenched patterns laid down in neural pathways to make change stick." Anne Riches "When introducing and implementing change in organisations, people can be encouraged and moved from resistance to commitment. But it takes skill and strategies to change entrenched patterns laid down in neural pathways to make change stick." **Anne Riches**

"Teaching methods are often based on convention over evidence. Can new insights from neuroscience help pupils to learn?" Ben Martynoga

<http://thelongandshort.org/issues/season-four/head-teachers-using-neuroscience-for-education.html>

Hope you enjoy these which have been kindly donated to ELF15:





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Neuroscience insights into learning and leading

Thank you for supporting our Sponsors and Supporters



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- * Setting directions of what students learn and how, so that they achieve success and become confident, connected, actively involved life-long learners and ensuring that this is achieved with the learner being proud and confident within their identity, language and culture.
- * Building sector capability and investing in the future through collaborative projects and programmes such as Investing in Educational Success.
- * Developing a highly effective workforce.
- * Looking at trends, encouraging innovation and effective development of new pedagogy and the integrated use of digital technology.

Visit the new Education website: www.education.govt.nz



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Intueri Education currently delivers vocational training to more than 12,000 learners across nine schools in New Zealand and Australia.

For further information please visit: www.intueri.co.nz or send an email – info@intueri.co.nz



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We support individuals and organisations working in tertiary teaching and learning throughout Aotearoa, New Zealand. The diverse range of our initiatives includes:

- *Project Funding
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- *Tertiary Teaching Excellence Awards
- *Professional Development Programme
- *Publications and resources
- *The Ako Aotearoa website and online shop
- *Evaluation support

To find out more about Ako Aotearoa and our work, please go to: www.akooteaoroa.ac.nz



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