



Professional Learning and Development Accreditation

Personal Profile

First name and Surname	 <p>Susan Heeps Cognition Education Ltd Stem.engines@gmail.com 021 343 293</p>
Personal statement (optional)	<p>I believe that education can make a difference. It provides opportunities for learners to deepen their knowledge and understanding of the world around them. I want to be a part of making that happen.</p>

Professional Learning and Development Overview

<p>My work reflects the necessity of building strong collaborative relationships with all akonga. As a PLD consultant I work with senior management and lead teachers to build the confidence and capability of schools and teachers to provide effective programmes for teaching and learning.</p> <p>First steps involve connecting teachers to experiences that are engaging and stimulating in order to reflect on their current assumptions and practices in teaching science and STEM. This provides a platform for the sharing of research and approaches to teaching and learning through modelling effective pedagogy, co-teaching, workshops and resource development.</p>
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Professional Information

<p>Qualifications/academic study/areas of original research/current research interests</p> <ul style="list-style-type: none"> • 1976: Trained Teachers Certificate, Auckland College of Education • 2001: Bachelor of Education (Teaching), Auckland College of Education • 2002: Postgraduate Diploma of Education, Auckland College of Education • 2009: Teacher Professional Development Languages years 7–10, University of Auckland
<p>Professional learning and development experience</p> <ul style="list-style-type: none"> • 2013-present: Science consultant Cognition Education • 2012-present: Assistant regional manager and facilitator for (science) Te Toi Tupu • 2015: Te Toi Tupu Quality Review: Māori learners in English Medium environments • 2008-2009: Programme leader: implementation of Spanish • 2008-2009: Programme leader: Extending High Standards Across Schools (EHSAS) Writing Y1-13 • 2006- 2011: Director of curriculum and professional learning and development • 2006-2008: Programme leader Assessment to Learn (AtoL) Ministry of Education contract • 2005-2009: Curriculum Leader science and technology • 2005-2010: Lead teacher gifted and talented education
<p>Programme writing and development</p> <ul style="list-style-type: none"> • Designed workshop modules for Science Learning Hub http://sciencelearn.org.nz/ • Involved in the implementation of the introducing of the Science capabilities – Te Kete Ipurangi (TKI) http://scienceonline.tki.org.nz/Science-capabilities-for-citizenship/Introducing-five-science-capabilities • Fonterra Milk for Schools – science content
<p>Conference presentations</p> <ul style="list-style-type: none"> • 2016: Scicon ‘The role of critique in developing science capabilities’ • 2016: Extending the Experience EOTC symposium: ‘Notice Think Wonder’



- **2014:** NZCER conference: 'Building future-oriented science education in Aotearoa New Zealand'

Publications

- Co-wrote Cancer Society [SunSmart resources](#).
- 2010: Susan Heeps and Sylvia Insley, [The benefits of collaborative professional learning](#)

Special interest areas

- Science education
- STEM education
- Relationship Based Learning
- Learning Languages

Professional membership

- New Zealand Association of Primary Science Educators

Awards

- New Zealand Ministry of Education Science, Mathematics and Technology Study Award
- New Zealand Ministry of Education Language Immersion Award

Summary of examples of practice

My summary of practice focusses on my work leading science professional learning and development. The highlight of my example is:

The marked increase in teacher confidence and capability to provide a robust programme for teaching and learning that capitalises on student curiosity and engagement– as evidenced by:

- science is now a critical component of the school curriculum
- student cognitive engagement is planned for, taught and assessed as part of the programme
- school ownership and curriculum leadership capability was developed within the school
- collaborative planning to strengthen their pedagogy knowledge was developed
- student voice re: high levels of engagement and excitement
- students taking their learning home

Referees

Referee One

Referee Name	Maree BATHURST
Contact Number	09 415 9668
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Referee Two

Referee Name	Sandra DAGNINO
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