

Professional Learning and Development Accreditation

The following summary of practice provides a personal profile and a summary of your expertise.

Personal Profile

First name and Surname	Ally Bull
Your iwi (optional)	
Personal statement (optional)	I am deeply interested in how schools might better meet the needs of today's world. All the PLD I provide is framed through a "future-focused" lens. To me this involves "thinking for ourselves through thinking with others". I see the ability to collaborate with "diverse others" as a key to success.

Professional Learning and Development Overview

Primary science education is my main area of professional learning and development expertise. I have deep knowledge of the curriculum having been on the writing team for science in the current document and having been deeply involved in the development of the science capabilities framework.

I also have expertise in mentoring and developmental coaching. I work with educators to explore ways of enhancing collegial relationships and developing collaborative practice.

Professional Information

Qualifications: MEd (Distinction)

Teacher registration

I have experience in both pre-service and in-service teacher education spanning almost 20 years.

I have extensive experience in the development of assessment resources in science eg. ARBs, NZCER's assessment tools in science, and science in the National Monitoring Study of Student Achievement (NMSSA). I have also participated in a range of science education and PLD research projects. A selection of my most recent publications follows.

Bull, A. (2016) *Developing primary science teacher expertise: Thinking about the system*. Available at <http://www.nzcer.org.nz/research/publications/developing-primary-science-teacher-expertise-thinking-about-system>

Bull, A. (2015). *Capabilities for living and lifelong learning: What's science got to do with it?* Available at <http://www.nzcer.org.nz/research/publications/capabilities-living-and-lifelong-learning-whats-science-got-to-do-it>

Bull, A. (2014). *Rethinking professional learning and development in primary science*. Available at <http://www.nzcer.org.nz/research/publications/rethinking-professional-learning-and-development-primary-science>

Gilbert, J. & Bull, A. (2014). *Exploring teacher professional learning for future oriented schooling*. Available at <http://www.nzcer.org.nz/research/publications/exploring-teacher-professional-learning-future-oriented->

[schooling](#)

- Whatman, J. & Bull, A. (2014). *The work of PLD facilitators* Available at <http://www.nzcer.org.nz/research/publications/work-pld-facilitators>
- Bull, A., Joyce, C, & Hipkins, R. (2014). *Constructing your primary school's science curriculum*. Wellington: NZCER Press
- Gilbert, J. & Bull, A. (2013). *Building a future-oriented science education system in New Zealand: How are we doing?* Available at <http://www.nzcer.org.nz/research/publications/building-future-oriented-science-education-system-new-zealand-how-are-we-doing>
- Bull, A. (2012). *Making the most of science learning opportunities in the primary school*. Set (1) pp 26-29
- Bull, A. & Gilbert, J. (2012). *Swimming out of our depth?* Available at <http://www.nzcer.org.nz/research/publications/swimming-out-our-depth-leading-learning-21st-century-schools>
- Bull, A. (2011). *A junior version of the "whole game" of science*. Available at <http://www.nzcer.org.nz/research/publications/junior-version-whole-game%E2%80%9D-science>
- Bull, A. (2011). *Library of experiences*. Available at <http://www.nzcer.org.nz/research/publications/library-experiences>
- Bull, A. (2011). *From community engagement in education to public engagement with education*. Available at <http://www.nzcer.org.nz/research/publications/community-engagement-education-public-engagement-education>
- Bull, A., Gilbert, J., Barwick, H., Hipkins, R., and Baker, R. (2010). *Inspired by Science*. NZCER for the Royal Society and the Prime Minister's Chief Science Advisor. Available at <http://www.nzcer.org.nz/research/publications/inspired-science>

Summary of examples of practice

In recent years I have worked with a number of schools to co-construct school-based curricula (particularly in primary science) that are responsive to the needs of local communities. I see my role as a “trusted outsider” who brings new ideas, perspectives and questions that allow teachers and school leaders to see their practice in new ways. My practice focuses on challenging teacher thinking but also has a strongly practical component. In these “in-depth” schools I have worked closely with the leadership teams, run Teacher Only Days, and worked with syndicates as they plan their inquiries for the term and review previous inquiries. I have worked collaboratively with staff to develop ways of assessing student progress, and I have also run sessions for the wider school community. In my work with schools I spend time building relationships with staff and getting to know the local context, as well as using a range of strategies to encourage deep collaboration.

I also have extensive experience in presenting workshops where teachers from different schools come together to learn. In recent years these workshops have focused largely on developing understandings about science capabilities and exploring ways of working collegially. Participants in these workshops experience for themselves a range of different activities and ideas which they then try in their classes later. As with my work in “in-depth” schools my focus in these workshops is always on challenging teacher thinking.

Referees

The following two referees can attest to the information supplied. These referees represent principals or tumuaki that were involved in the summary example of practice provided in this document.

By supplying this information you are confirming that the referees listed below are aware and consent to their details being available on the accreditation list.

Referee One

Referee Name	Liz Millar
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Referee Two

Referee Name	John Wright
Contact Number	07-866 5916
Contact email address	wrightj@mbas.ac.nz