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	Ginette Van Praag
Your iwi (optional)	
Personal statement (optional)	I am a registered teacher with over 15 years' experience teaching and leading ICT and Digital Technologies in schools. A key focus for me is to support teachers with effective and best-practice resources and approaches to the teaching and learning of NZC Digital Technologies from year 6 onwards. I have particular expertise in Computer Science, Programming and Digital Infrastructure using the Raspberry Pi. I am a preferred provider for the Ministry of Education's Strengthening Digital Technologies Fund, one of just 9 organisations selected nationally to develop innovative approaches to teaching and learning in this new Curriculum Area. Classroom materials I have developed for the purpose are available under creative commons licence for teacher use. This is a new and exciting field that will be open to all akonga from 2018 and I look forward to sharing these approaches with schools moving forward.

Professional Learning and Development Overview

I have been a 'traditional' classroom teacher of ICT and Digital Technologies for 13 years. I have been a middle leader – Leader of Learning ICT, Teacher in Charge (TiC) Digital Technologies for 9 years in schools in both New Zealand and the UK. Throughout this time I have taught learners from year 3 through to year 13. I left the classroom in 2013 to focus on developing and facilitating Professional Learning Development Workshops for teachers of Digital technologies in support of the implementation of the new NCEA standards 2011-2013. I also have experience as an eTeacher and have taught Level 1 Digital Technologies online through FarNet and the VLN Primary School. Since 2015 I have been contracted as the National Coordinator of the VLN Primary School and am responsible for the day-to-day running, enrolments, technical support and eLearning PLD for our eTeaching team and participating schools. In 2016 I developed a proposal to develop a coherent learning programme for years 6-8 using the Raspberry Pi and was awarded $60,000 from the Strengthening Digital Technologies Fund for the purpose. The project involves using Teaching as Inquiry and Assessment for Learning approaches to teach Algorithms, Programming and Digital Infrastructures to this age group.

Professional Information

Please provide qualifications/academic study/areas of original research/current research interests (as applicable) relevant to the area(s) of professional learning and development expertise you have.

Academic Study

- Postgraduate Diploma in Education endorsed in eLearning and Digital Technologies in Education (University of Canterbury):
    - EDEM628: Best Practice in Online Teaching and Learning
    - EDEM626: Special Topic: Curriculum Implementation in Computer Science

Qualifications

- Fully Registered Teacher: 300711
- FITS Framework for ICT Technical Support: ICT Support in Education: Practitioner
- Google Certified Educator: Level 1

Please state your experience in the delivery of professional learning and development in relation to your professional learning and development expertise.

Collaborative Inquiry: I am experienced with founding new Communities of Practice and acquiring funding to support teacher PLD

- **2011 Digital Technologies Networked Learning Community (Northland & Far North)**
  I applied for and received $4000 from the Networked Learning Communities fund to facilitate professional learning opportunities for 15 schools in Northland and Far North Region in support of their implementation of NCEA Digital Technologies Levels 1-3. The group came together after numerous presentations and discussions following on from my work with the Digital Technologies Guidelines Project (2008 – 10)

- **2016 Digital Technologies Action Group (DTAG)**
  I was awarded $60,000 from the *Strengthening Digital Technologies* fund to work with a group of schools to establish a coherent teaching and learning programme for the new NZC Digital Technologies for years 6-8 using the Raspberry Pi. The cluster has been established using a CoL approach, although no formal CoL exists at the present time for these schools. Six schools are involved in the project in the Masterton region:
    - **2 Contributing Primary Schools**
    - **1 Full Primary School**
    - **1 Intermediate**
    - **2 High Schools**

  This group consists of lead teachers who have been put forward by their Principals. Although only one teacher from each school is funded for release, schools are also funding an additional 4 teachers to participate in the project. This group came together through my liaising with and presenting to Principals in the region, prior to the project start, inviting them to participate.

Authoring Resources and Facilitation: I am experienced with design and facilitating practical workshops to support the unpacking of the NCEA Digital Technologies Achievement Standards, Levels 1-3

2011 - 13

- Level 1 Programing Resource development workshop (2011)
- Unpacking the Digital Technologies standards with Team Solutions and the National Technology Advisor (2012)
- Python Programing Hands-on workshops with North Tec (2011-2012)
- Code Avengers hands-on workshop (2013)

2013-14

I authored resource material, and organised and facilitated the following Digital Technologies Professional Learning Development workshops and ran them for schools in the main centres of Auckland, Wellington and Christchurch. A total of 55 schools across New Zealand attended these workshops:

- Implement a Junior Digital Technologies Learning Pathway Years 7-10
- Implement a Senior Digital Technologies Learning Pathway
- Skills for Teaching Digital Information at Level 3
- Skills for Teaching Digital Media at Level 3
- Introduction to the Raspberry Pi and the Internet of Things Pilot Workshop, in association with Birkenhead College and The Skills Organisation

Please outline any of the following that are applicable (note this list is not exhaustive):

- Programme writing and development
  - Lead Teacher, Digital Technologies Guidelines Project (2007-8, 2010)
  - Ministry of Education Preferred Supplier: Strengthening Digital Technologies Project 2016-17
- Conference presentations
  - NZALT, Nelson: Learning Languages Online with VLN Primary School (2016)
  - Ulearn, Rotorua: Introducing the Fits Framework for ICT Technical Support in Schools (2014)
  - Digital Horizons Conference, Whangarei: Google Forms Workshop (2014)
  - TESAC Conference, Wellington: Technology Standard 910356 – Develop a conceptual design for an outcome – websites (2013)
  - Digital Technologies Conference, Auckland: Programing with Scratch and Wikispaces (2010)
- Publications
  - Co-Author: Level 2 Digital Technologies Learning Workbook (ESA Publications) Chapter 1: Achievement Standard 91356: Develop a conceptual design for an outcome
- Special interest areas that you have been particularly active in e.g. inclusive education
  - NZC Digital Technologies
  - eTeaching & Learning
  - Accredited Training Agent for FITS – Framework for ICT Technical Support in schools
- Memberships of networks of expertise, boards, committees etc. applicable to the professional learning and development you are offering
  - Executive Committee Member: NZACDITT (2011-2013)
  - Moderator: Generic Computing (2011-2012)

- Ministry of Education Preferred Supplier for the Strengthening Digital Technologies Project (2016-17)

Summary of examples of practice

In the years ahead, digital fluency will become a prerequisite for obtaining jobs, participating meaningfully in society, and learning throughout a lifetime. (Resnick, 2002, p.33)

Supporting schools with their effective implementation of new technologies to teach and learn *about* Digital Technologies alongside opportunities to explore and learn *with* digital technologies are key to promoting Digital Fluency for all akonga and this is my area of expertise.

NZC Digital Technologies Curriculum Development

I have planned, developed and facilitated skills based workshops designed to support the implementation and roll out of the Digital Technologies NCEA Achievement Standards L1-3. I am currently working to support teachers of years 6-8 to develop effective pedagogical approaches to teaching and learning using the Raspberry Pi in readiness for NZC Digital technologies coming into schools from 2018.

Digitally Fluent Teachers and Learners

As well as being a classroom teacher for 13 years, I have experience supporting teachers and learners in the classroom space, the community space and the online space. Through my work as National Coordinator of the VLN Primary School I support eTeachers with developing their eLearning pedagogies and I support participating schools with their online learning experience. Learning online in this way contributes significantly to these children developing the necessary skills to become *confident, connected, actively involved and lifelong learners (NZC, 2007)*.

Best Practice Framework for ICT Technical Support Management

I am trained to deliver best-practice ICT Infrastructure Management training to support school Network administrators and Senior Leaders in New Zealand schools. Effective management of school IT infrastructure is critical to ensure effective implementation of a school's eLearning vision in all its scope. This framework has helped thousands of schools internationally to achieve this and I have a heartfelt belief that New Zealand schools would also benefit greatly from this approach.

FITS is delivered over 2 days and culminates in an accredited Level 3 online exam. Successful participants are awarded the ICT Technical Support in Education: Practitioner.

- FITS is a best practice framework for ICT Technical Support Management in Schools
- The FITS framework in internationally recognised and used in over 1000 schools worldwide
- FITS is flexible and can be adapted to meet the ICT support needs of *any* school.

Referees

Where possible, at least one of your referees should be a principal or tumuaki directly related to your example of practice. Where this is not practical, for example in a secondary schooling scenario where you have been working with a middle leader or deputy principal, you can supply a more appropriate reference. Both referees supplied below should come from a school, kura, or community of learning where you have provided services.

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

Referee One

Referee Name	Rachel Whalley, ePrincipal, VLN Primary School
Contact Number	027 656 6140

Contact email address	rachel.whalley@vln.school.nz

Referee Two

Referee Name	Autumn EDE, Principal, Purua School
Contact Number	09-433 5841
Contact email address	principal@purua.school.nz rachel.whalley@vln.school.nz