Teacher professional learning and development for a future-oriented education system – a “wicked problem”?

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Paper presented to the joint conference of the Australian Association for Research in Education (AARE) and the New Zealand Association for Research in Education (NZARE)
Queensland University of Technology, Brisbane
3rd December 2014
Plan

1. Background
   • future-oriented education ‘story’
   • ‘problem’

2. The project
   • preliminary findings

3. Issues
The world has changed forever. Education hasn’t kept up. Major change is needed.

Why?

Today’s system was set up to meet 20th century, Industrial Age needs

We’re now in the Network or Knowledge Age

Things are different

System change is needed, not “school improvement”
Why change is needed – the usual gloss ...

1. The system needs to do better ...
   - need higher achievement by more students
   - need nearly everyone to be “tertiary ready”

2. Globalised economic change
   → intense focus on knowledge
   knowledge has a new meaning

3. The digital revolution
   exponential growth in power and reach of digital technologies
1. Many people think future-focused education means doing more or less what we do now - but with better technology …

- Digital pedagogies
- Modern Learning Environments
- Digital resources
- Connected learning …

- MOOCs
- Khan Academy
- Flip the Classroom

2. All the focus on students’ learning needs

   — little work on demands this places on teachers educated in 20th century system

   — teachers being asked to imagine/create a system way outside their experiences and/or ways of knowing.
The problem

1. “future-oriented” education – sloganised, superficial
   - uncritically accepted (or rejected)...

2. much of what is happening under this banner
   likely to make things worse, not better ...e.g....
   • exacerbate existing inequalities
   • reduce opportunities for epistemic progress - breadth not depth

→ Teachers need access to opportunities to **think critically**
about “future-oriented education discourse

3 levels ....
   i. functional/decoding
   ii. cultural
   iii. critical
Research project “On the Edge”

- small pilot 2012 7 participants
- funding (TLRI) 2 years (2013-14)
  now 33 participants

Part 1: Teacher PLD programme

- University Masters level course (Educational Futures)
  students enrolled invited to participate in research project
- Workshop on adult development

Part 2: Research project

- Interviews before course, immediately after course, & a year later
- Monthly “double loop” reflections
- In-course observations
- Interviews with PLD providers.
Action research

- long-term relationships
  researchers — PLD providers —
  participants

- multiple parts - inextricably connected

“Object/s of Inquiry” ...

Δ teachers’ thinking

→ relationships  → networks  → systems

• “informational” vs “transformational” learning
• teachers experiencing kinds of thinking they are
  supposed to be providing for their students
What did we find out?
Was the PLD transformative?

• *I don’t think it’s changed me except that it’s given me more ammunition and an authority to speak and a passion to speak – a sense of urgency of the need to keep talking about this and begin some action.*

• *It’s actually shifted my whole perspective on the world.*

• *I’m not the same person I was 8 weeks ago.*
How did participants feel about the PLD?

• ...as painful as it was I really, really valued that.
• It’s scary – it’s fun but it’s scary!
• It’s exciting but it’s doing my head in!
• It’s daunting – and fascinating
• I swing from being absolutely frozen to absolute excitement.
Helpful components of PLD

• Journal reflections on the “readings”
  
  *To read it to the level where I could review it and form an opinion on it that was quite a big step in terms of making me think about things, making me challenge my own thinking.*

• Work load
  
  *It’s like running a marathon*

• Opportunities to discuss ideas with others
Acting differently

• *It’s quite challenging to do when a school culture is already quite successful*

• *I’m aware that I’m no longer being challenged and that feels dangerous. I’m worried I won’t continue to examine ideas critically and I will slip unwillingly towards complacency.*
Shift in project over time ...

Tracking **individual thinking** processes

↓

Participants individual **agents/actors** in a **system** - that they are *constructed by*, but also *contribute* to ...

↓

Education as **complex system**
- “spaces between” parts
- possibility of **emergence**

Have we achieved what we set out to do..?
Not really ... project has produced more questions than answers...