



“Moving in a Digital World”

**A self-study exploring the impact of digital technologies
on PE pedagogy**

My motivation for this study

Self improvement..

I wanted to move forward as a PE teacher, not just stay doing what I'd always done.

I had wondered if using digital technologies could improve my teaching

How the study took shape

Decided on self-study as a methodology – An inquiry project on steriods

I was both the researcher and the researched

I started by outlining the assumptions I held about digital technology

Assumptions

Digital technology can provide me the opportunity to evolve my pedagogy as a PE teacher and therefore the quality of the learning environment

If I develop knowledge, experience and proficiency with digital tools I will become a more effective PE teacher.

A 3 stage Journey

1. Developing an understanding of the nature of DT: The literature review
2. Knowledge about digital tools and gaining some proficiency and confidence in using them
3. Planning for then teaching with DT and reflecting upon that use with critical friend's

How did I collect data?

Reflective journal

Critical friend dialogic conversations

Artifacts (lesson plans, lesson materials
etc)

So what did I find out?

The importance of being prepared to engage with digital technology

- “Playing” with tools and trying new ideas
- Collegiality

So what did I find out?

The importance of making informed professional decisions before engaging DT's

- Pedagogy before technology
- An awareness of the context and setting when teaching with digital technology in PE

So what did I find out?

The importance of model based decision making and evaluation

- SAMR model = Substitution, Augmentation, Modification and redefinition (Puentedura, 2013)
- S and A?
- Can it provide the opportunity to modify or even redefine the task and learning opportunity?
- Review its effectiveness – did it achieve its goal?

So what did I find out?

The importance of setting up a digital learning culture

Setting up routines and class management

Implications for my PE pedagogy

Pedagogy before technology

The learning is always considered first

Ashley Casey (2014)

Casey (2014) cautions about the purposeful way we must approach technology in physical education.

We need to consider how we might develop a pedagogy of technology that allows for the integration of innovation into our classrooms to stimulate learning and engagement. Such a move towards the technologisation of physical education must be done carefully, with our sights firmly set on learning (p. 2).

Implications for my PE pedagogy

Shift toward a more student - centered philosophy

But..

Because the learner and learning is at the centre, technology is merely one tool to be used when appropriate

Implications for my PE pedagogy

*Accept and embrace a co-evolution of
digital technology and practice*

So what are you doing?

Share you experiences of using digital technology in PE with the person next to you:

In what context did you use it?

In what way did you consider the learner and the learning before using it?

In what why did it afford a learning opportunity that learners otherwise would not have had?

How did you evaluate its impact?

Revisiting assumptions

Digital technology can provide me the opportunity to evolve my pedagogy as a PE teacher and therefore the quality of the learning environment

Revisiting assumptions

If I develop knowledge, experience and proficiency with digital tools I will become a more effective PE teacher.

Questions