

TECS- towards technological attentionality

Video 4: *C = Complexity* and often diverse networks
comprising technology

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TECS Model:

Model of and model for technological
attentionality in practice



C = Complexity and often diverse networks comprising technology



Three reasons for paying attention to how technology are tied to complex networks

1. Contrary to when we need a hammer, we do less and less chose technologies ourselves. This leads to leack of ownership
2. Lack of ownership make us waste possibilities and mobey invested in technology

What pay attention to technology? Lack of ownership

It is impossible because the municipality is sitting on the program package. We can not install programs at our school without the municipality having installed them on all computers at all schools, so we have an unbelievably small program package, because most of the programs that are purchased there are for the small classes, and we do not have them. (Lena, teacher)

(Teacher at a school with new iPads, Brok and Hasse 2015, 18)

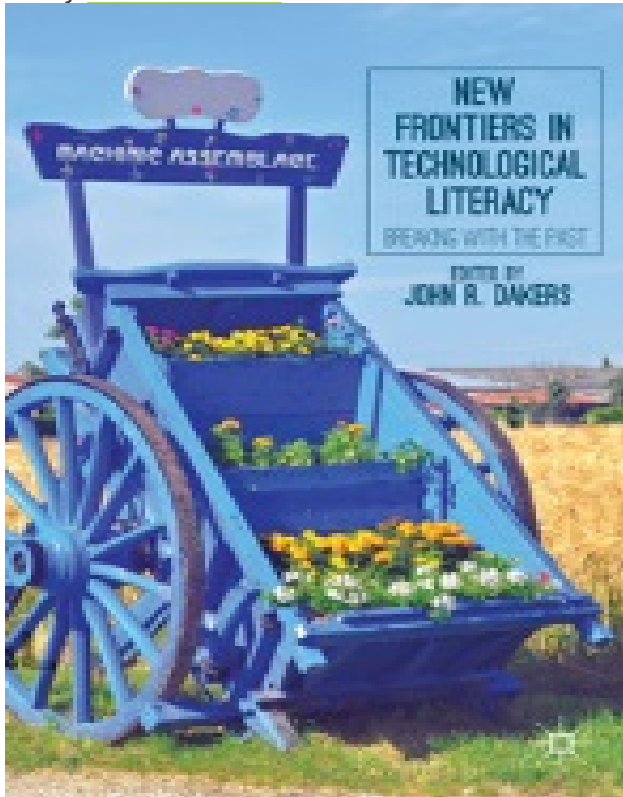
Work around to get habits back - use whiteboards as blackboards

- ▶ *I experienced that when we had to have all those smartboards, I would like to have a blunt chalk board left, so you could easily write a short message that was visible to everyone. But no, that was not possible. Now we had bought all the expensive technology, and then we certainly did not have to put up the old board again.* (Jacob, teacher)

(Teacher at a school with new iPads, Brok and Hasse 2015, 18)

Towards new understandings of technologies like iPads: not just tools but signs

New Frontiers in Technological Literacy
Breaking with the Past
Edited by **John R. Dakers**



Artefacts that talk: Mediating technologies

as multistable signs and tools

2013 Macmillan Publishers Ltd. 1755-6341 Subjectivity Vol. 6, 1, 79-100

iPads are not just tools.
They are also
“signs that can
act as active agents in
changing not only work life
but also embodied
subjectivities
and professional identities”
(Hasse 2013:80).

Why Technological expertise?

iPads is a technology in a double sense.

1. Technology in an engineering sense.

2. Technology as a cultural force.

(Borgmann 2006: 352-353)

Technology as a cultural force:



- ▶ *We are transforming our world at an alarming rate and in so doing, we are alienating ourselves from it. Our technologically mediated existence is threatening the very democratic process itself. We need to develop a new language, a new literacy, in order to both understand our brave new world, and learn how to live a meaningful existence in it (Dakers 2006, 1).*
- ▶ Dakers J (2006). Introduction: Defining technological literacy, In J. R. Dakers (Ed.), *Defining technological literacy: Towards an epistemological framework* (pp. 1-2). New York, NY: Palgrave Macmillan,

Not just instrumental tools -
but something that involve us
as persons

Do you feel ownership over the
technology you use in your
profession?

Do you impose technologies on
others?

Do you know if they feel
ownership?