

Digital pedagogy: Millennials, Digital Natives and Learning

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Photo by Steve Wheeler





It's a girl!

“The average digital birth of children happens at about six months.”

<http://www.slashgear.com/babys-first-ipad-24121114/>



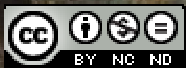
**The Net
Generation?**

Millennials?

Screenagers

**Digital
Natives?**

**Homo
Zappiens?**



Digital Natives?



<http://sellyourstoryuk.com/wp-content/uploads/2011/12/Old-and-Young-Computer.jpg>



Power users	14%
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Ordinary users	27%
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Irregular users	14%
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Basic users	45%
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n = 2096, mean age range 17-23 years

Source: Kennedy *et al* (2010) Beyond Digital Natives and Immigrants: Exploring types of net generation students, *Journal of Computer Assisted Learning*, 26 (5).





Photo: Steve Wheeler

curiosity

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**I showed my 18 year old son an
old floppy disk....**



**He said “Wow... Cool!
You 3D printed the Save Icon!”**

We learn by doing (Piaget, 1950)



Photo by Steve Wheeler



A photograph showing a group of people in a workshop or classroom environment. In the foreground, a person in a dark hoodie and jeans is kneeling on the floor, leaning over. To their right, a person in a light grey hoodie is sitting on the floor, facing away from the camera. Further back, a person in a white t-shirt is sitting on a blue office chair, looking down at a document. Other people are visible in the background, some sitting and some standing. The room has a white wall with yellow sticky notes and a desk with a computer monitor and various items.

We learn by making (Papert, 1960)

Photo by Steve Wheeler





Photo: Lori Cullen

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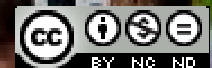
Students taking notes

Learning by making

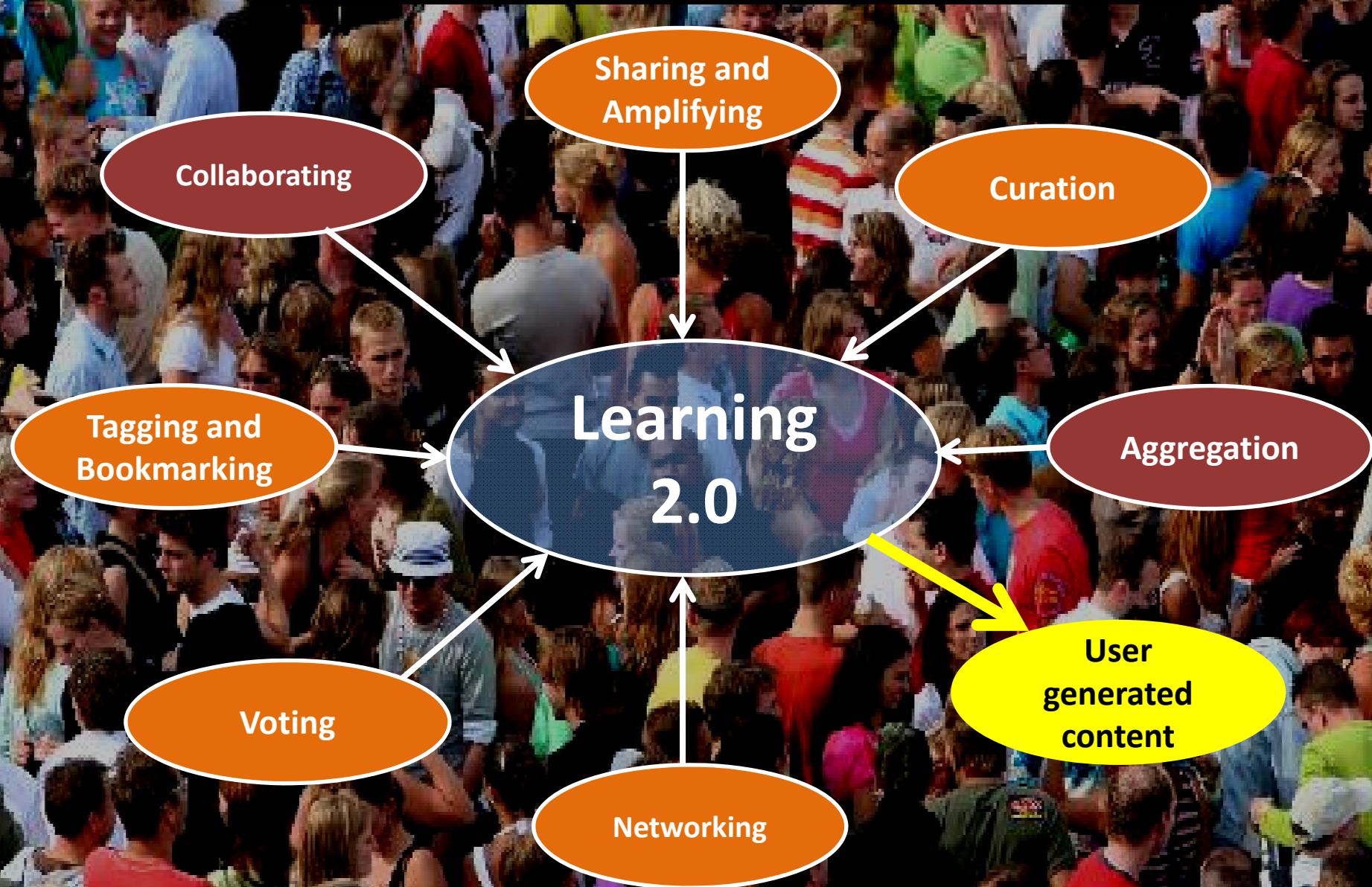
Learning
2.0

User
generated
content

Graphic by Steve Wheeler (2013)



Architecture of participation



Graphic by Steve Wheeler (2013)



ZPD and scaffolding

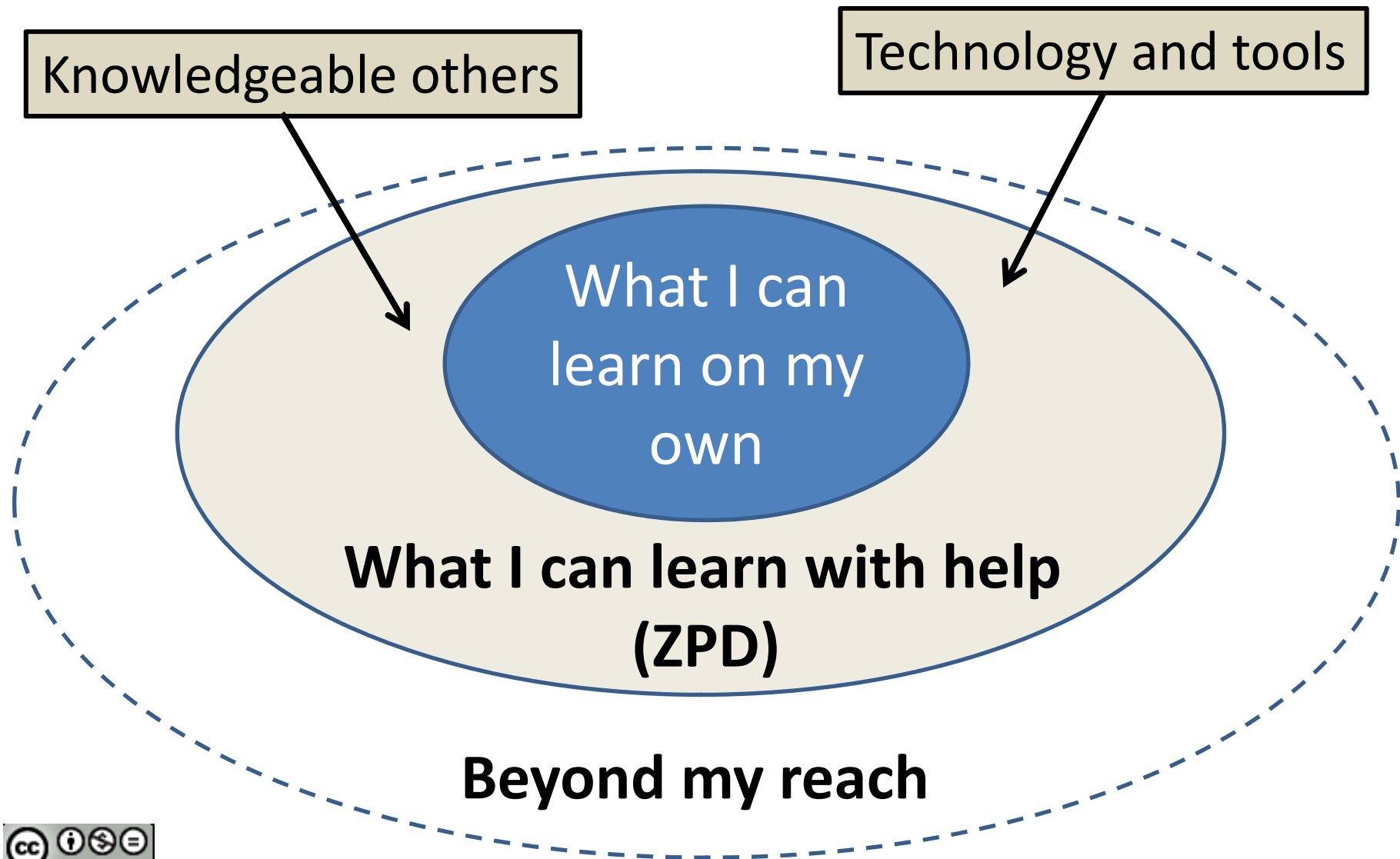




Photo by Steve Wheeler

Personal windows on the world



3 biggest fears of a teacher using technology

1

How do I make this work?

2

How do I avoid looking like an idiot?

3

{They will know more about this than I do}

3 biggest fears of a student using technology

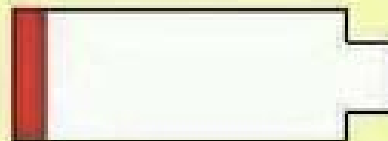
1



2

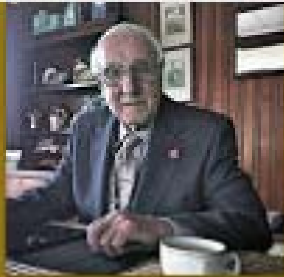


3





Digital Residents and Visitors (White & Le Cornu, 2012)



Peter Oakley



The Internet Grandad

geriatric1927

Home

Videos

Playlists

Channels

Discussion

About



Telling it all Series 2 - An introduction

54K views 2 years ago

I foolishly updated iMovie which is terrible and it looks like I will have to buy some better video software have you any recommendations?





Ken Wheeler added 2 new photos.

21 May at 09:48 · 🌐

This was in 1949 in Tripoli Castle Benito, the maiden trail of the Comet,



Luckily when I joined the RAF I was on the last so I knew how to butcher meat, but most did not we had the same Army rations, then the army sent us to the Middle East, and the Royal Navy took over the say the standard was so high, every thing arrived in boxes, chops, mince beef, roasting joints, diced and done for us, all we had to do was get on with cooking and defrosted.

It made life a lot easier for us chiefs. one day I went to the Naval cold store to pick up a load of Rations I was surprised to find it was inside the Rock it's self, it must have been the coldest place on the Rock, it was so cold in there we were only in our KD and shorts so you didn't want to stay in there too long.

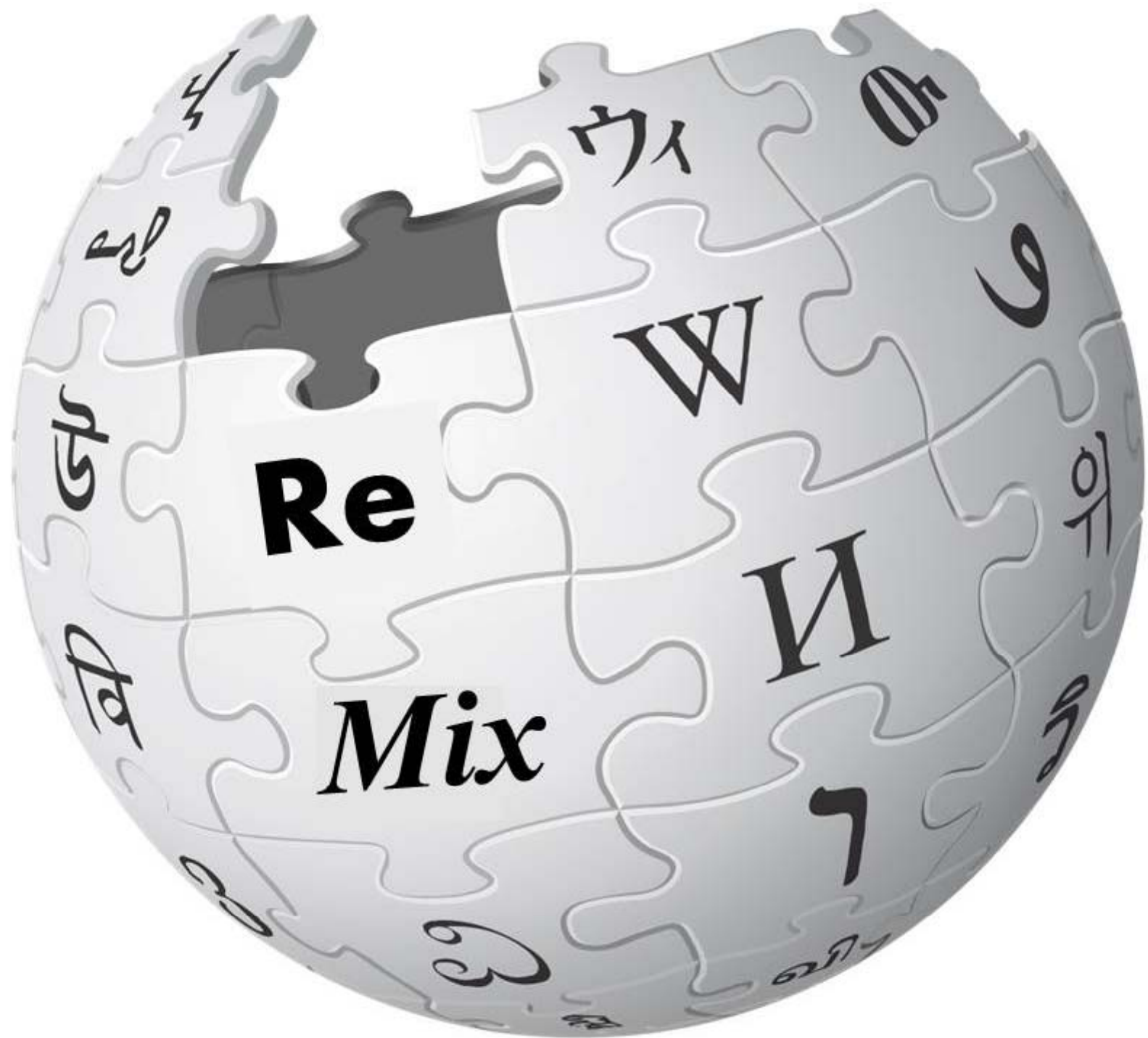
Funny people the Navy, or Blue jobs, has we called them, they were a crowd on their own, never friendly toward the RAF or the Army for some reason, it was like we were from another planet. but their rations were the best ever, I'll give them that. when I was in Castle Benito (North Africa) one of there Aircraft Carriers, HMS Ocean was in Malta for a refit, so to continue the training of the air crews, they flew to us,, they were young inexperienced pilots, and they were flying, I think? Sea Fires, a naval version of the Spitfire, they were doing all right, landing on the runway, and taking off, but then they painted great white lines on the Runway the size of the deck of the Air craft Carrier, that was not so easy for them, at the end of they stay with us, they had to leave more then half their planes, that had been damaged on landings, and the mechanics to repair them, they would fly out when that Ship came back after Sea trials. One of the things I learned, was that no one in the Navy did anything with out being told to so, where has we in the RAF, would act on our own, if we saw something needed doing we did



‘In the act of writing, we are written.’ – Daniel Chandler



https://commons.wikimedia.org/wiki/File:Blog-684748_640.jpg





Behind every bestselling book are legions of fans who write their own sequels or **fanfic**. One fanfic archive lists **1.5 million** fan-created works. (Kevin Kelly, Wired - July 2016)

[Re]Mix

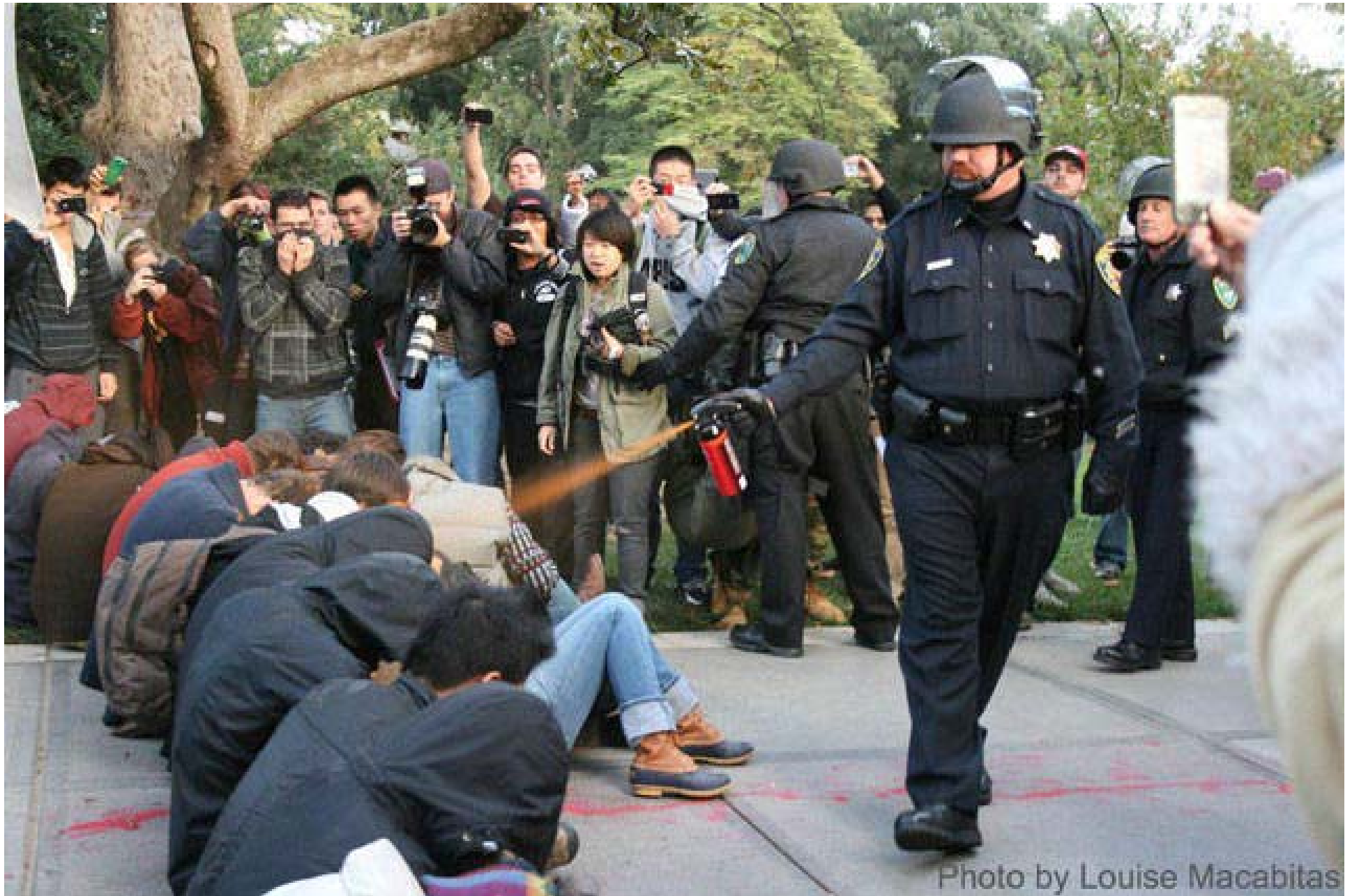


Photo by Louise Macabitas





PIKE FLOYD



DARK SIDE OF THE LAW

A photograph of a large tree with many buttresses and aerial roots, likely a fig tree. The tree is the central focus, with its roots and trunk filling most of the frame. The background shows some greenery and a fence.

#blimage

#bvideo

#twistedpair

Storytelling through metaphor

Photo by Steve Wheeler



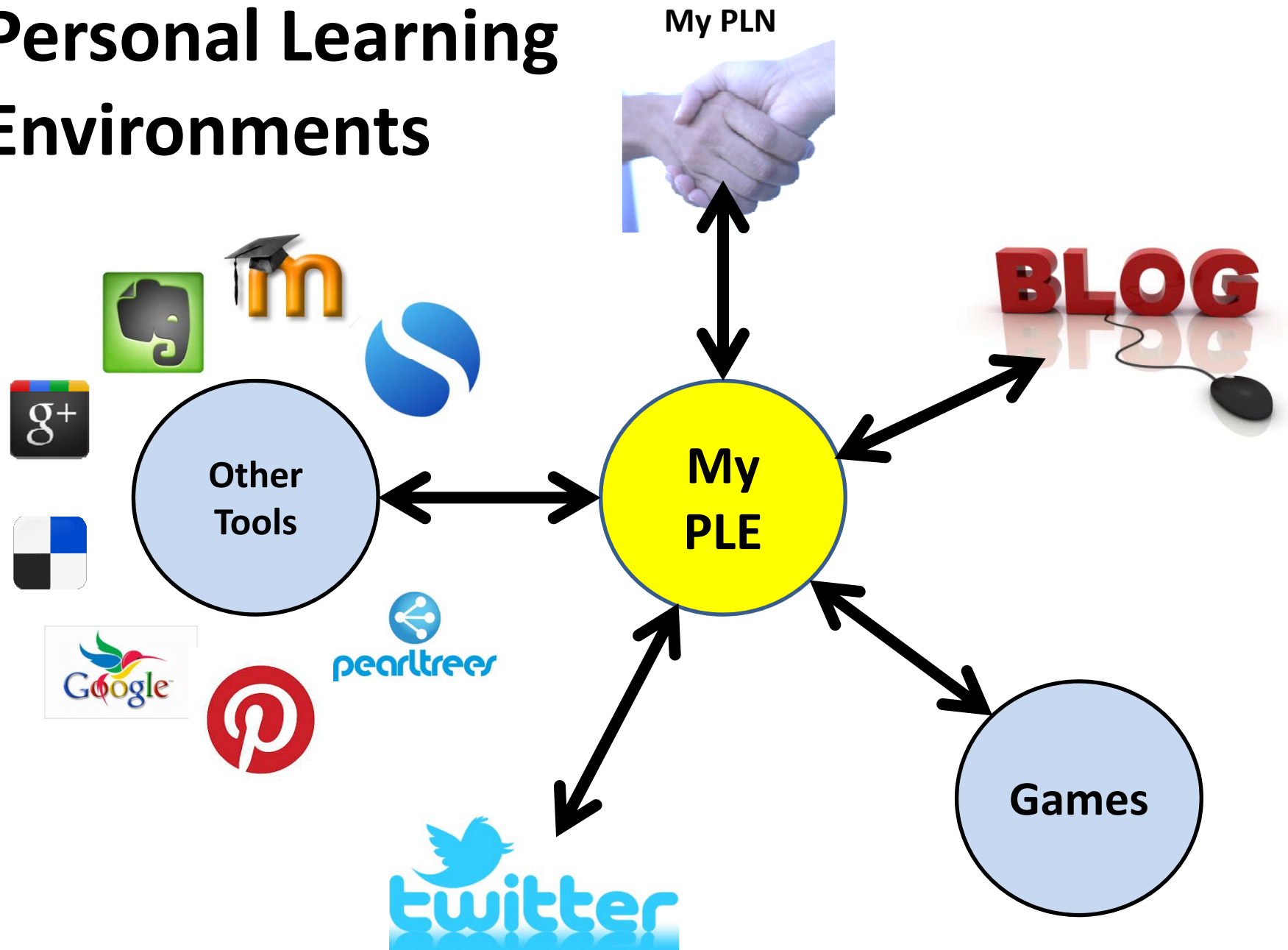
Personal Technologies



Photo by Steve Wheeler

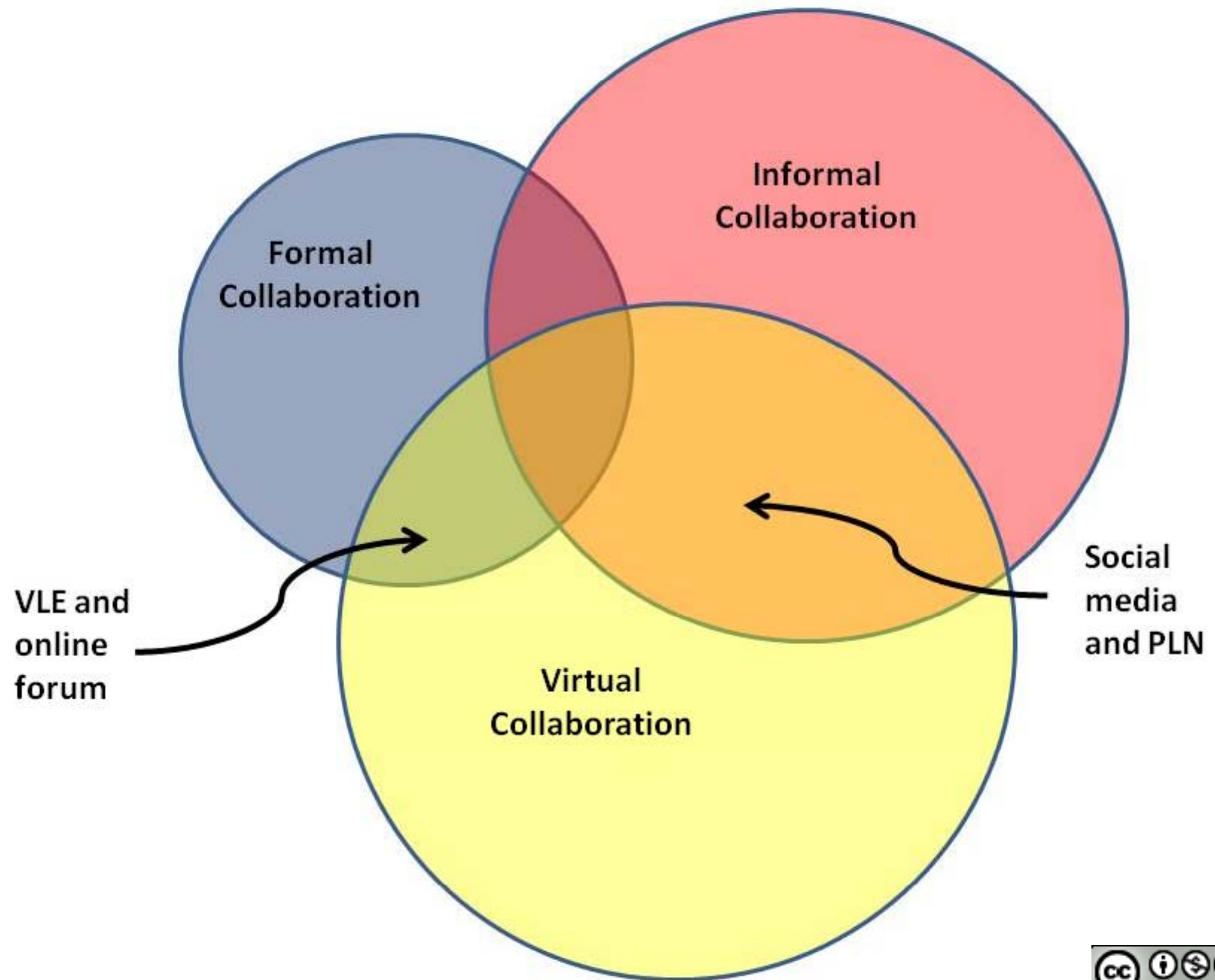


Personal Learning Environments

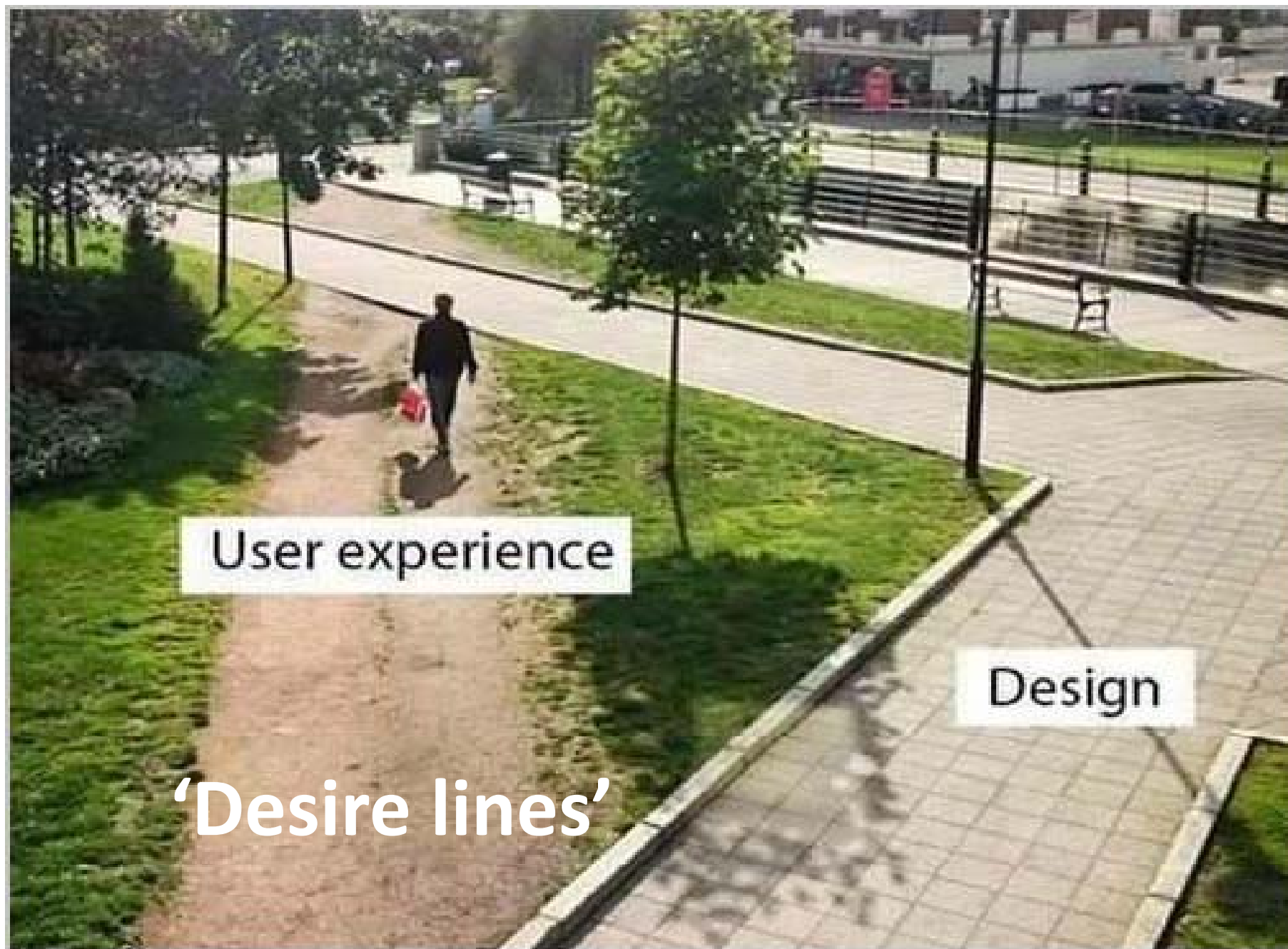


Graphic by Steve Wheeler





Design vs User Experience



User experience

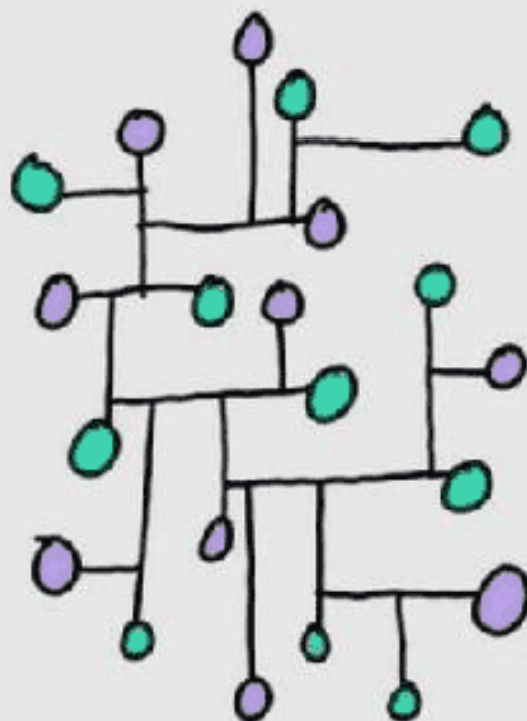
Design

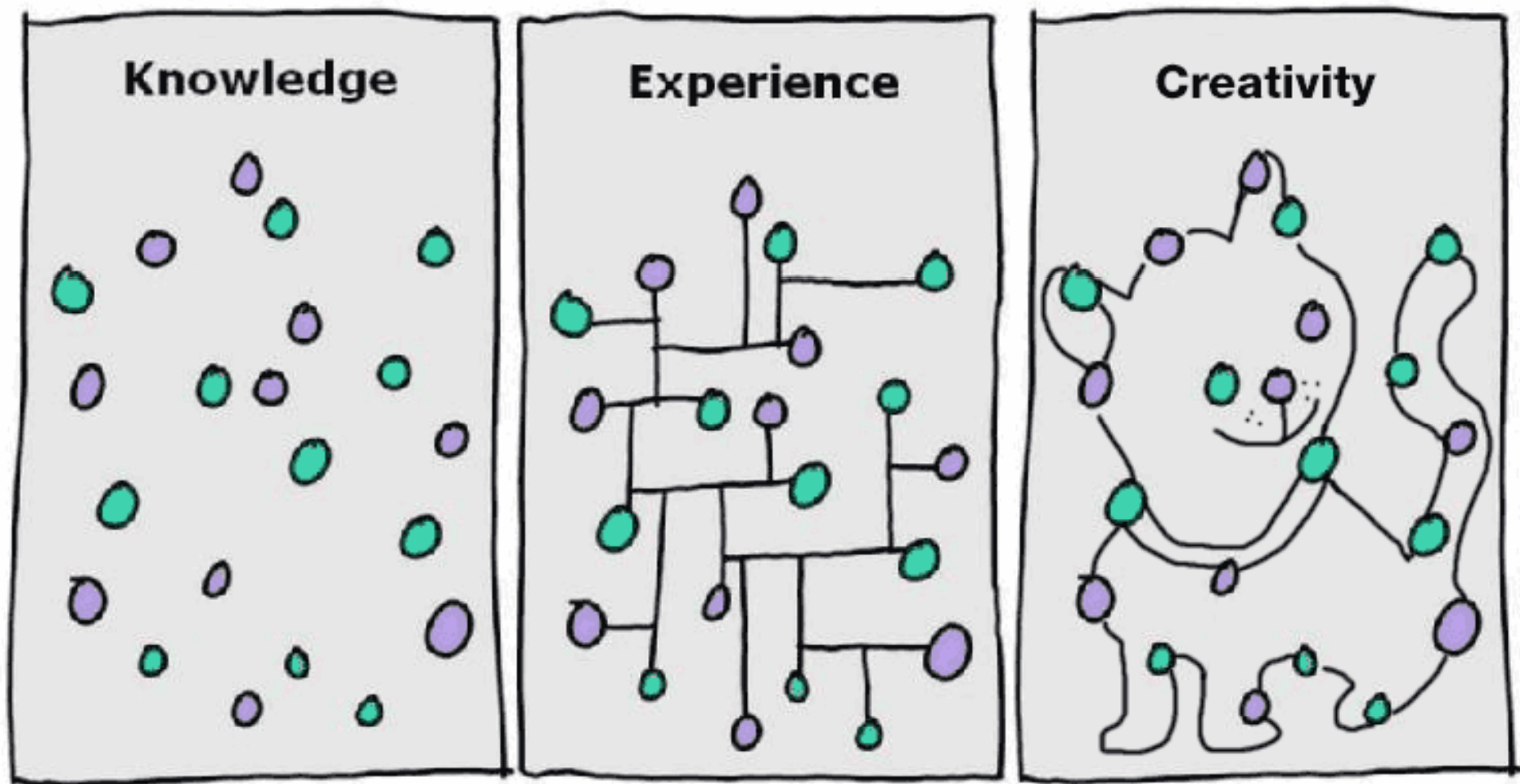
‘Desire lines’

Knowledge



Experience

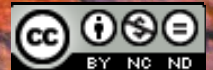




Joining the dots in ways that make personal meaning

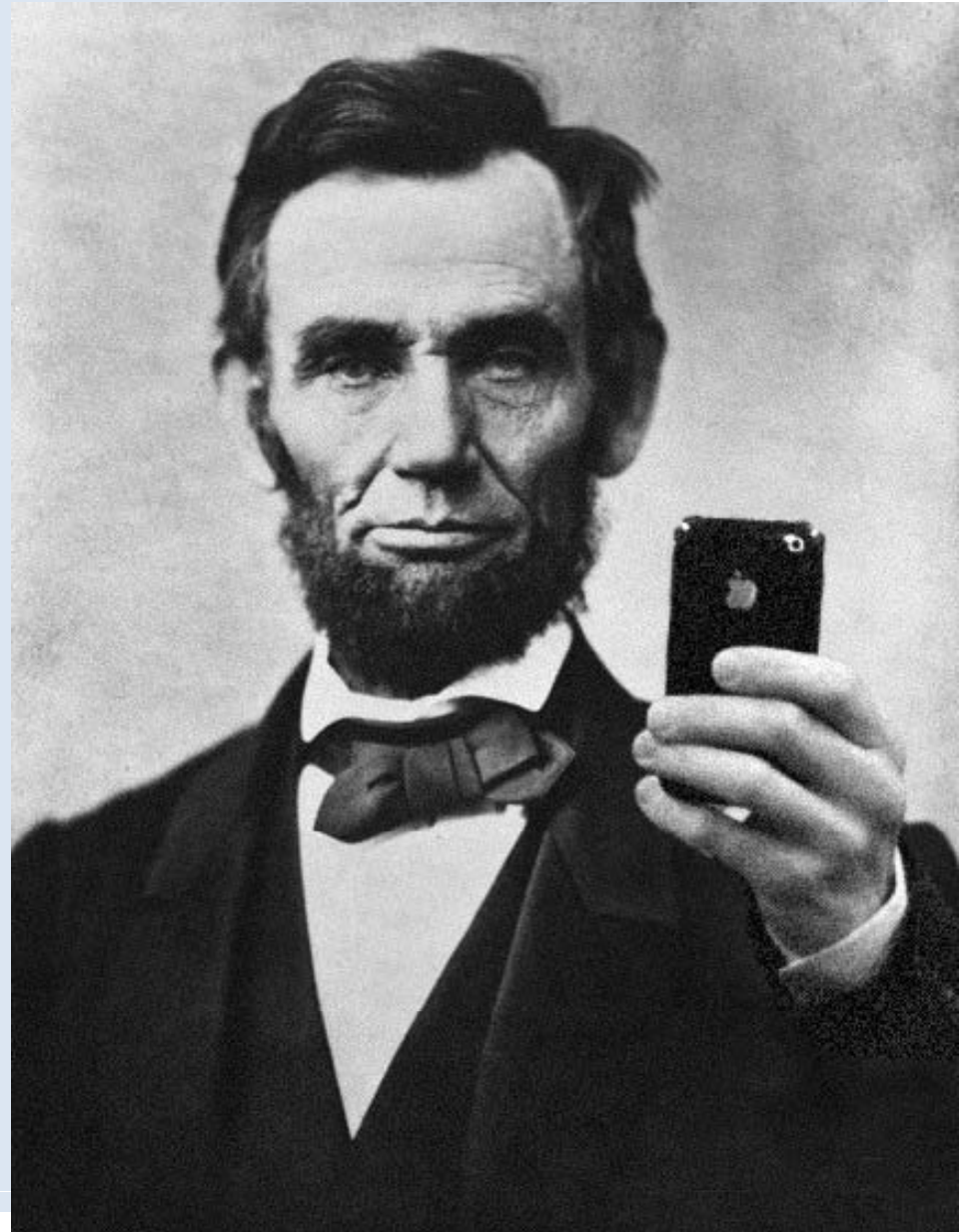
New literacies

Photo by Steve Wheeler



***“Nearly all men
can stand
adversity, but if
you want to test a
man's character,
give him an
iPhone.”***

**- Abraham Lincoln
on the ‘selfie’**

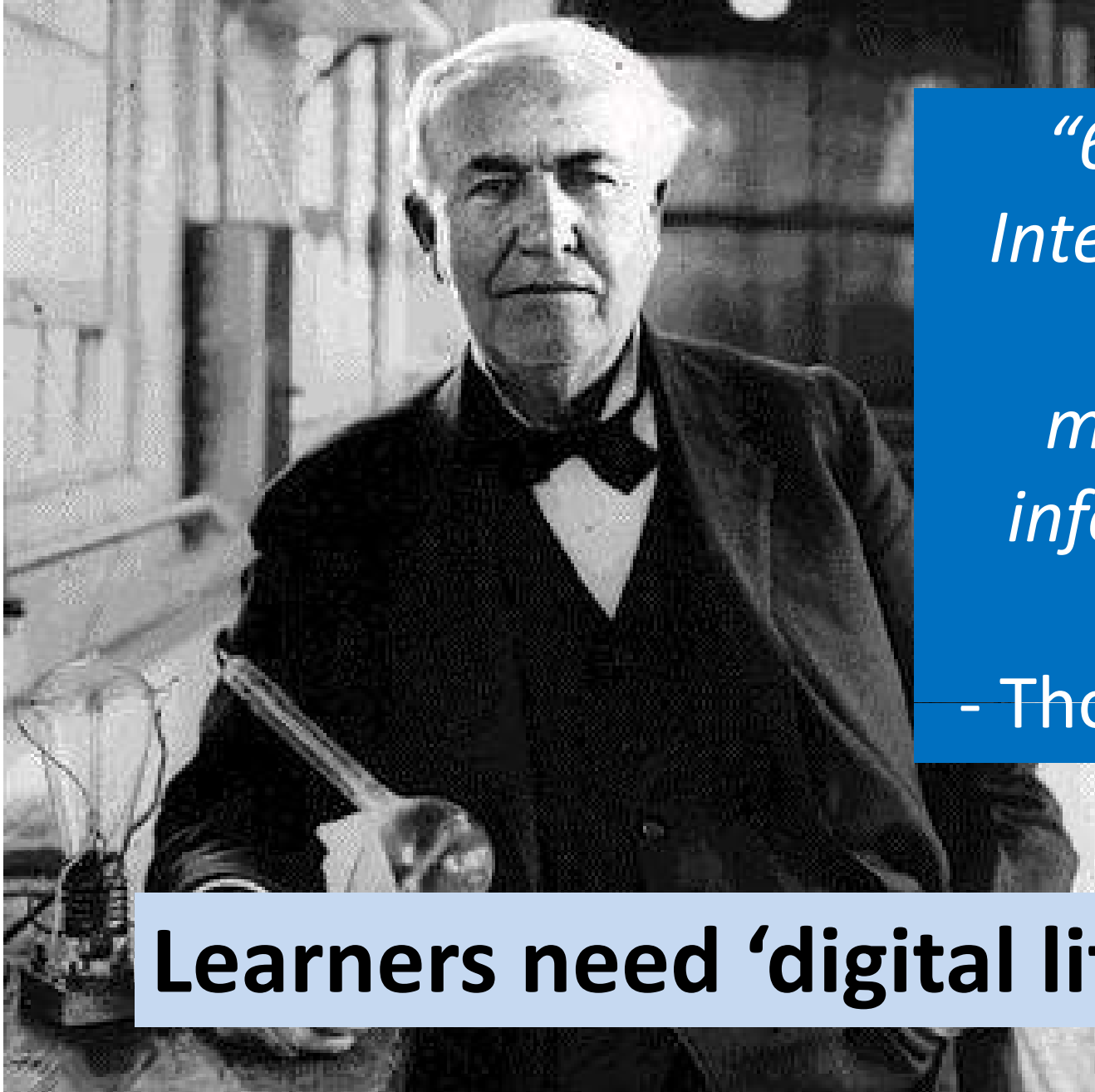


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<http://thesocietypages.org/cyborgology>

The 'selfie'



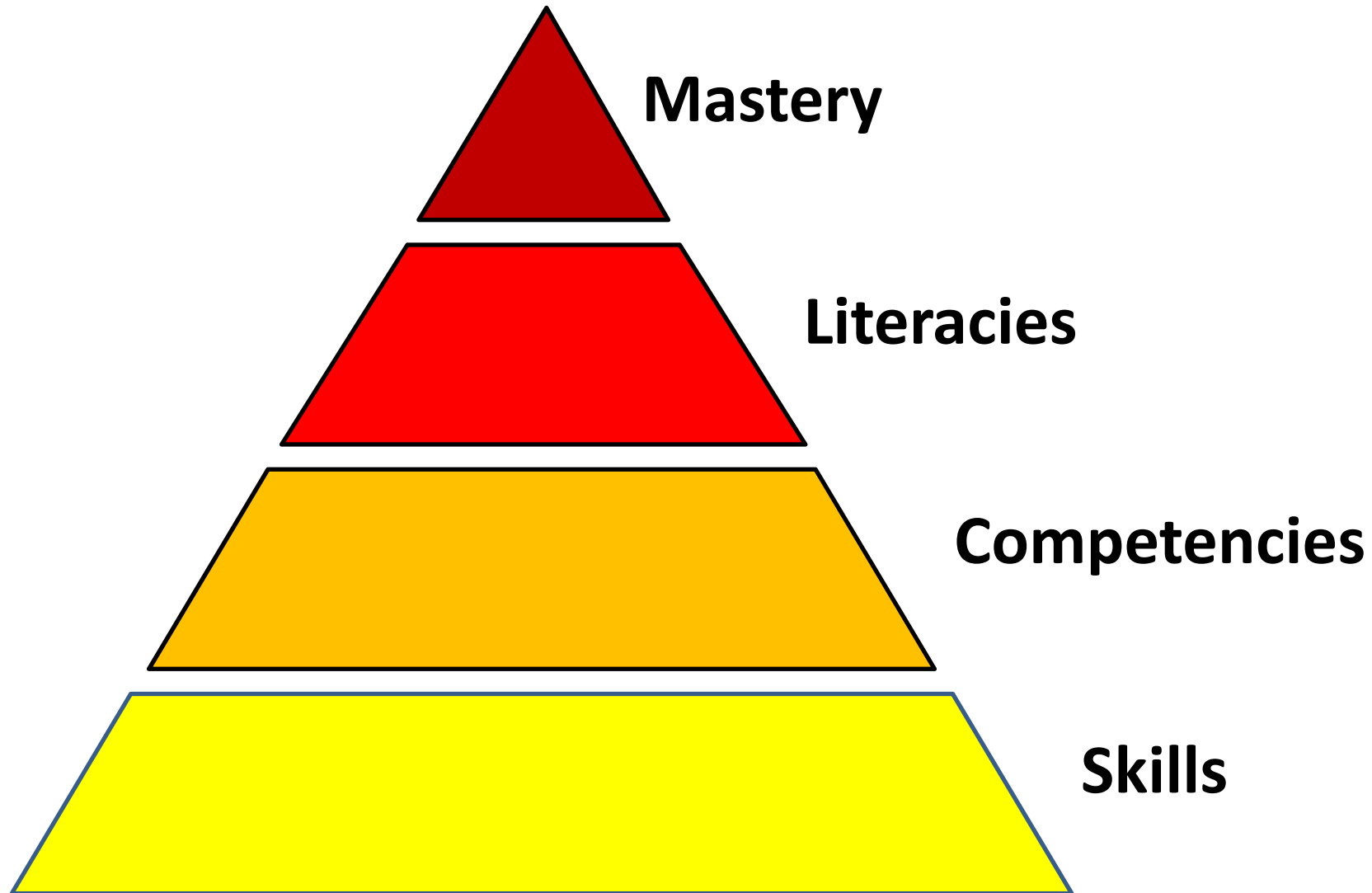


*“60% of all
Internet pages
contain
misleading
information.”*

- Thomas Edison

Learners need ‘digital literacies’

Learning 2.0 – Digital Literacies



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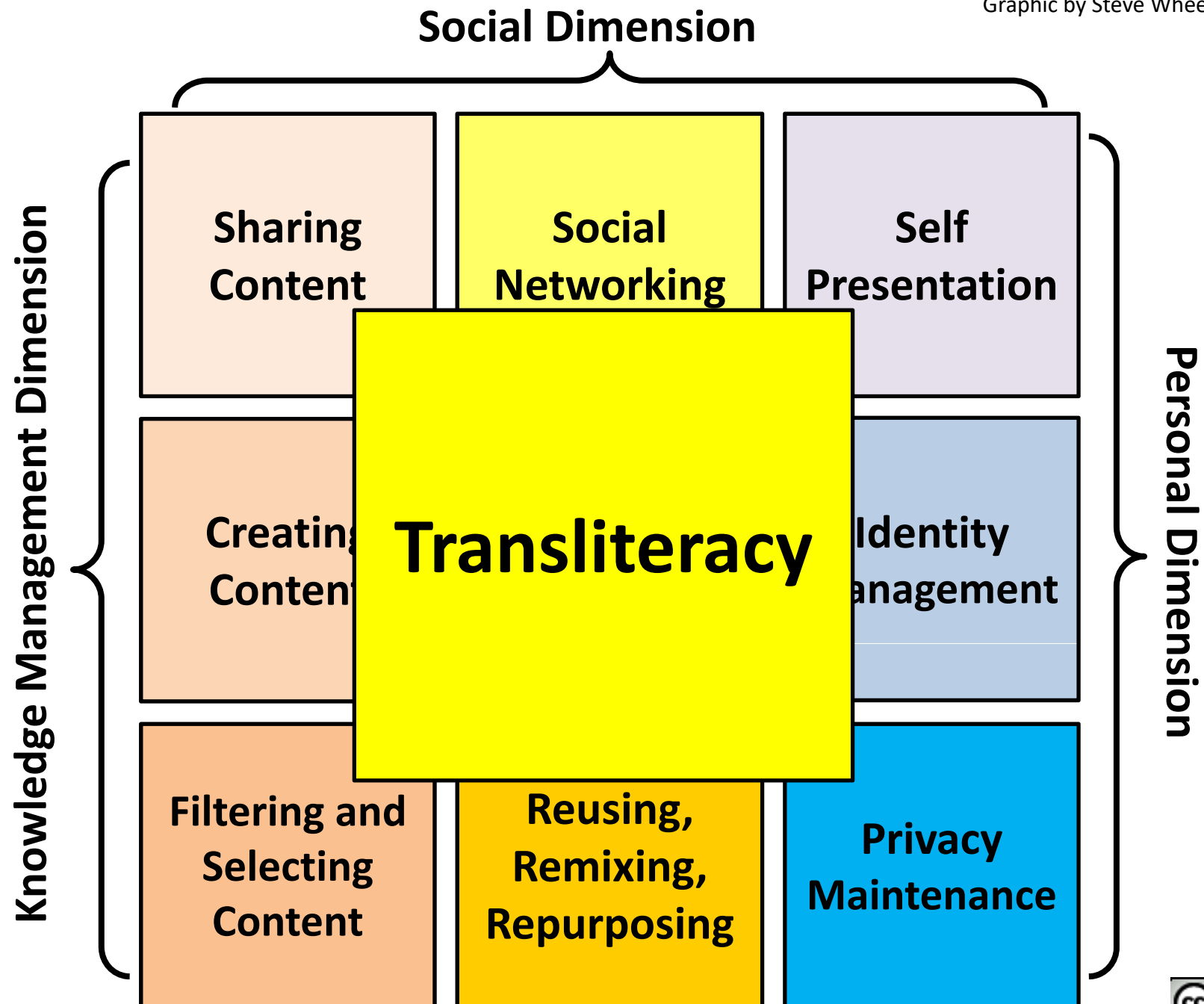
Graphic by Steve Wheeler (2013)



Learning Unlearning Relearning

Photo by Steve Wheeler





Skills for Learning 2.0

Connection



Photo by Steve Wheeler



Communities of Learning



Professional Learning Networks



Professional Learning Networks



Professional Learning Networks

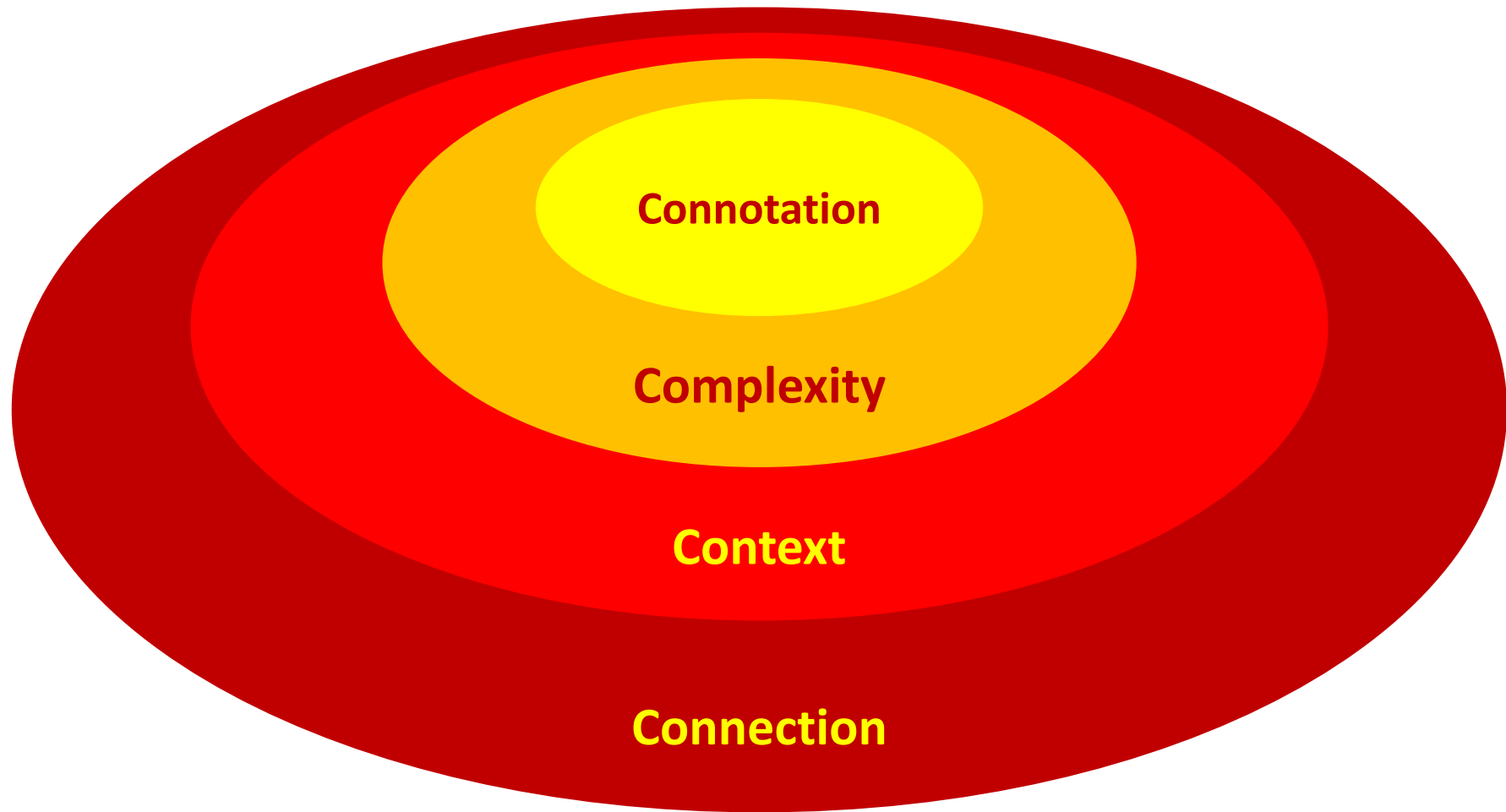


Professional Learning Networks



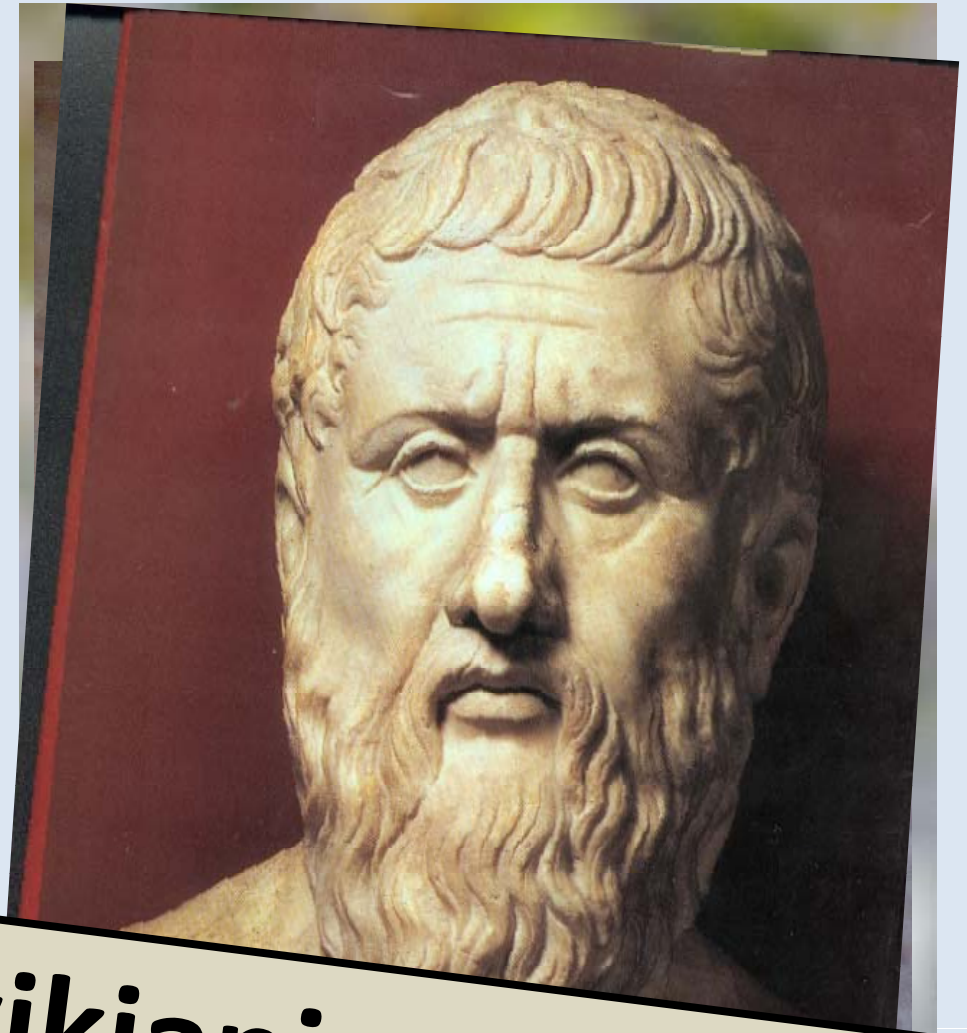
Professional Learning Networks

Skills for Learning 2.0



*“Knowledge that
is acquired under
compulsion
obtains no hold
on the mind.”*

Darwikianism



Bust of Plato

<http://www.fotopedia.com/items/flickr-713124904>

Photo by Steve Wheeler

Thank you

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