A Praxis Model of Digital Wellbeing for Physical Education

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Health Promotion Conference, NUIG 13th June 2019





Learning to be human in a digital world



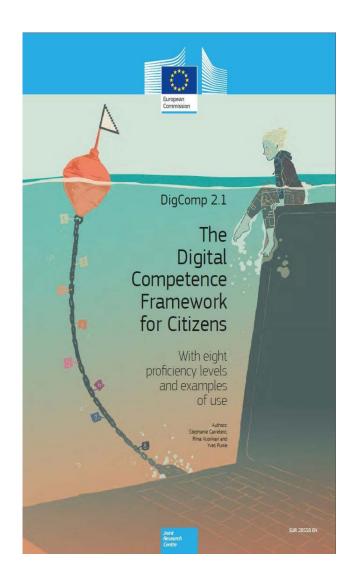
Education for a Digital Age

- No tabula rasa exists. We are like sailors who must rebuild their ship on the open sea, never able to dismantle it in dry-dock and to reconstruct it there out of the best materials (Neurath, 1959, p.201)
- We are building the raft while swimming (Floridi, 2015, p.23).

CATEGORY	BUILDERS	BABY BOOMERS	GENERATION X	GENERATION Y	GENERATION Z	GEN ALPHA
	We prefer proper English if you please Born: < 1946 Age: 73+	Be cool Peace Groovy Way out Born: 1946-1964 Age: 54-72	Dude Ace Rad As if Wicked Born: 1965-1979 Age: 39-53	Bling Funky Doh Foshizz Whassup? Born: 1980-1994 Age: 24-38	idk Legit Squad Totes Whatevs Born: 1995-2009 Age: 9-23	Lit Fam Hundo Yas RN Lel Born: from 2010 Age: under 9
Social markers	World War II 1939-1945	Moon landing 1969	Stock market crash 1987	September 11 2001	GFC 2008	Trump / Brexit 2016
Iconic cars	Model T Ford Final, 1927	Ford Mustang 1964	Holden Commodore 1978	Toyota Prius 1997	Tesla Model S 2012	Autonomous cars 2020s
Iconic toys	Roller skates	Frisbee	Rubix cube	BMX bike	Folding scooter	Fidget spinner
Music devices	Record player LP, 1948	Audio cassette 1962	Walkman 1979	iPod 2001	Spotify 2008	Smart speakers Now
Leadership style	Controlling	Directing	Coordinating	Guiding	l l Empowering	L 1 1 Inspiring
Ideal leader	Commander	Thinker	Doer	Supporter	Collaborator	Co-creator
Learning style	Formal	Structured	Participative	Interactive	Multi-modal	Virtual
Influence/advice	Officials	Experts	Practitioners	Peers	Forums	Robo-advice
Marketing	Print (traditional)	Broadcast (mass)	Direct (targeted)	Online (linked)	Digital (social)	In situ (real-time)
T 1800 TRENDS (1800 873 637) E info@mccrindle.com.au W mccrindle.com.au				facebook.com/ mccrindleresearchvitter.com mccrindlersrch	in linkedin.com/company/ mccrindle-research youtube.com/ mccrindleresearch	slideshare.com/ mccrindleresearch

DigComp 2.1 (2017)

- 1. Information and data literacy
- 2. Communication & collaboration
- 3. Digital content creation
- 4. Safety
- 5. Problem solving



USING DESIGN THINKING TO DEFINE THE PROBLEM AND, THEN, DEVELOP A SOLUTION?

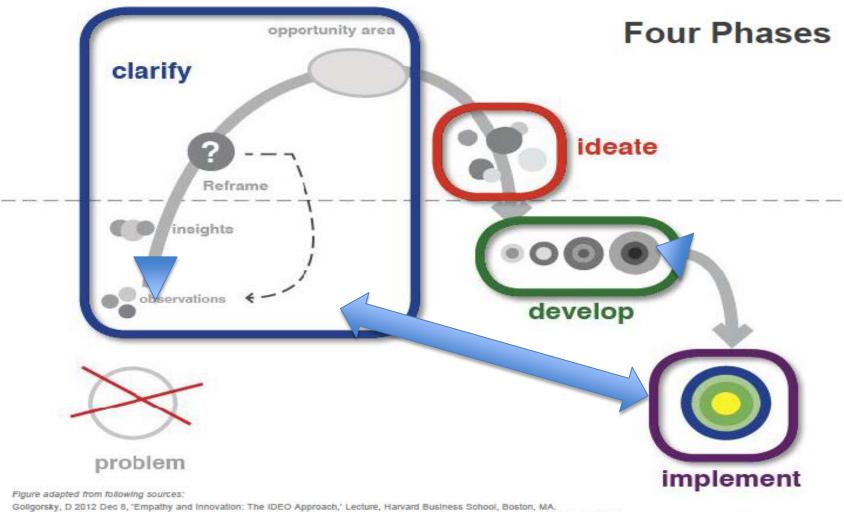
It addresses the biases and behaviors that hamper innovation.

1

JEANNE LIEDTKA Professor, Darden School of Business

Harvard Business Review October 2018

Iterative Design Thinking (adapted from Goligorsky, 2012)



Pucclo, GJ, Mance, M, and Murdock, MC 2010, Creative Leadership: Skills That Drive Change, 2nd ed., SAGE Publications, Inc., Woburn



John

Description: John is 14. Generation Z. Gets bored easily. Plays or watches sport. Thinks school is okay but not that exciting.

Needs: To be engaged in school. To understand if, when and how to take risks. To connect safely with friends in real or virtual time. To be liked by peers. **Insight:** Unsure of himself, his appearance, his opinions, his masculinity. Only concerned with present. Does not think of future.



Wicked Problem: How do we educate John to enjoy digital wellbeing?

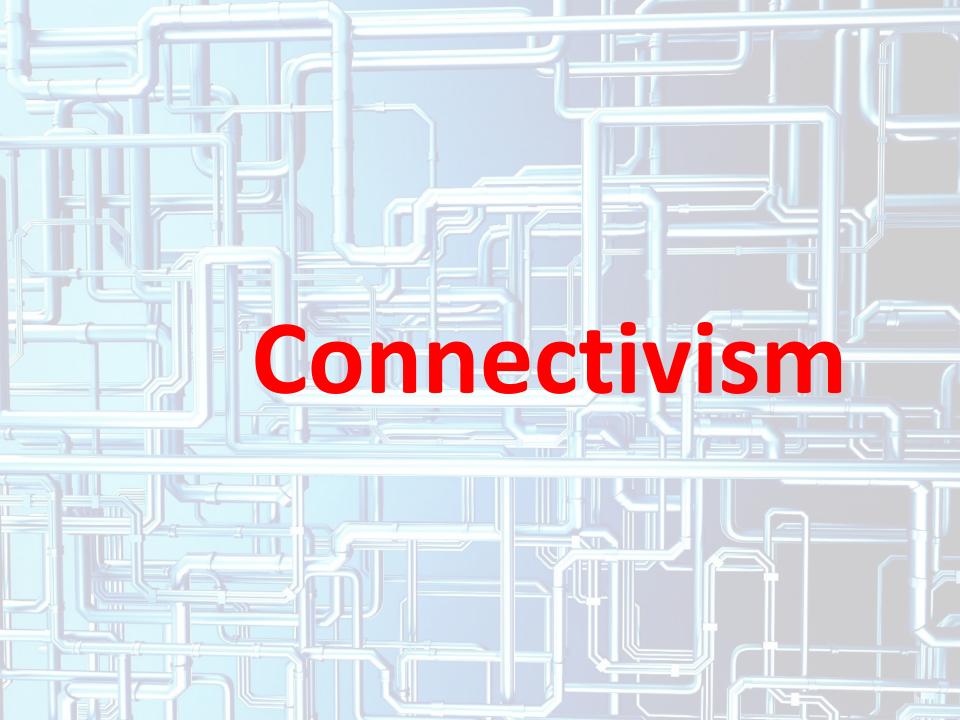
DUPLICATION OF SPACE



FUSION

12518

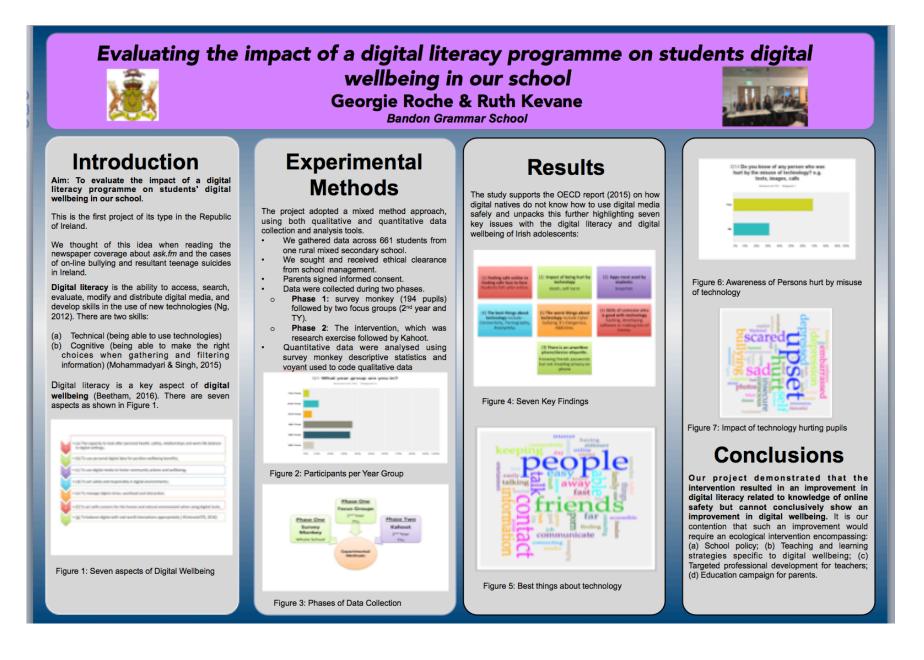




Principles of Research with, for and by Youth

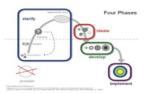
Connections Reflexivity **Empathetic** Adherence Transparency Empowerment

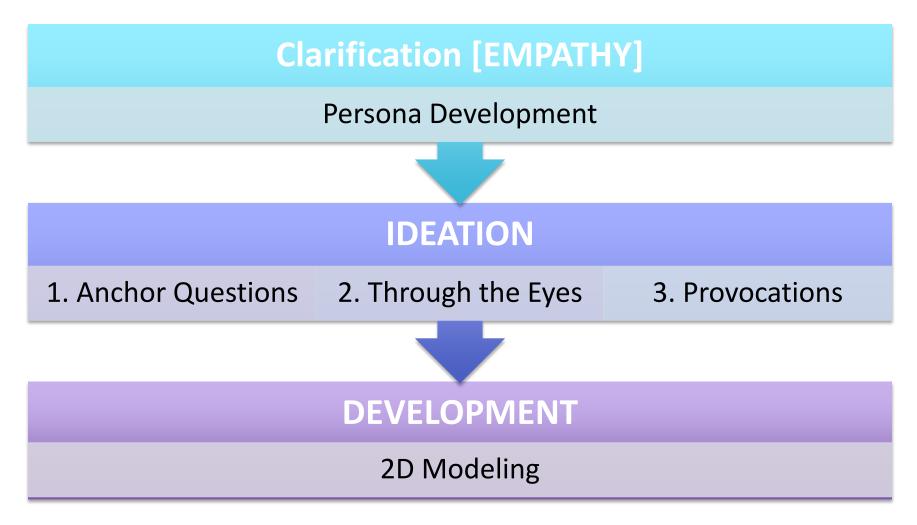




Design Thinking

Data Collection Design





16 Secondary School Teachers

4 CPD Providers April 2017

Values Fluency

Centre for Recovery and Social Inclusion

chaptin/

100 service providers

May 2017

State of Mind Ireland Industry Forum

IBM, Bank of Ireland, KPMG

30 participants

September 2017

2017 EERA Specialist Seminar

9 Countries

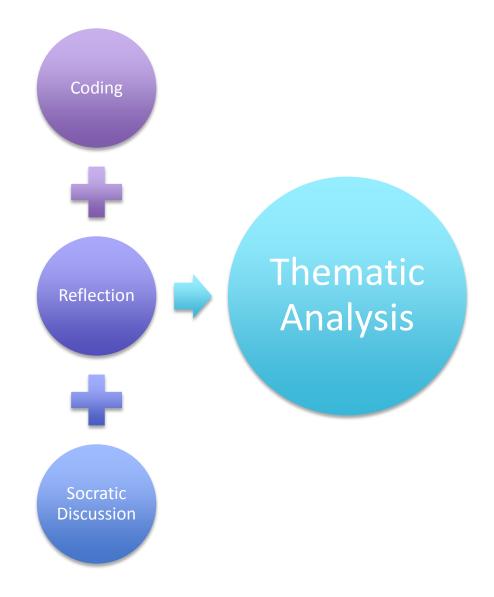


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30 participants [Young People, Principals, Researchers, Teachers]



Data Analysis



KEY FINDING 1

RETURN TO THE PURPOSE OF EDUCATION I.E. GLOBAL AND CONNECTED CITIZENS WHO ENACT PRO-SOCIAL VALUES (1) Feeling safe online vs Feeling safe face to face: Students felt safer online. (2) Impact of being hurt by technology

death, self-harm

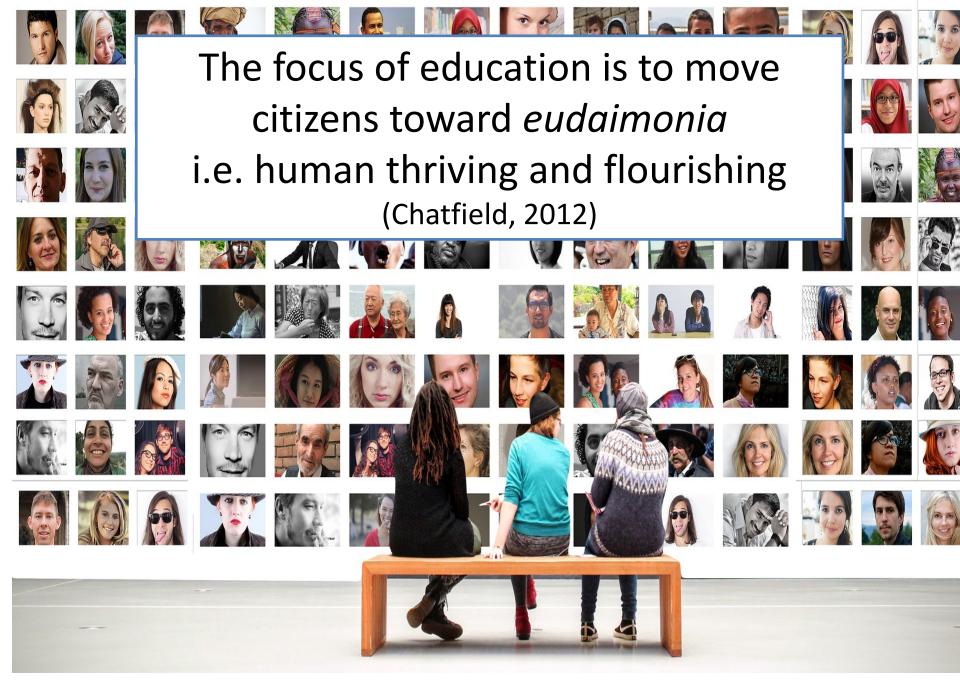
(3) Apps most used by students:

Snapchat.

 (4) The best things about technology include Connectivity, Pornography, Anonymity; (5) The worst things about technology include Cyber bullying, It's Dangerous, Addictive; (6) Skills of someone who is good with technology hacking, developing software or making lots of money.

(7) There is an unwritten phone/device etiquette.

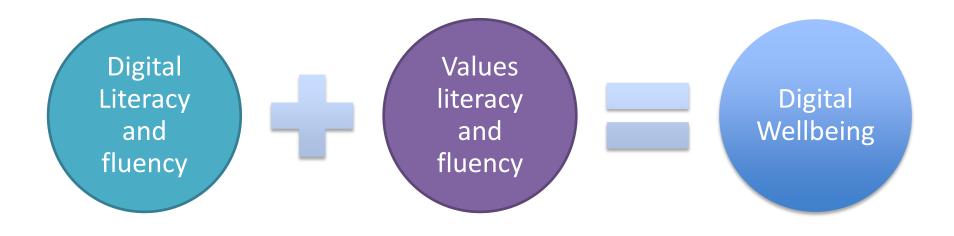
Knowing friends passwords but not invading privacy on phone



KEY FINDING 2:

The Praxis of Digital Wellbeing must comprise <u>BOTH</u> 'values fluency education' and 'digital fluency education'

Components of Digital Wellbeing



Digital Literacy and Fluency

Digital literacy - A digitally literate person knows <u>how</u> to use digital technologies and <u>what</u> to do with them.

Digital fluency - A digitally fluent person can decide <u>when</u> to use specific digital technologies to achieve their desired outcome. They can articulate <u>why</u> the tools they are using will provide their desired outcome.

(The New Zealand Curriculum, 2016)

Values Literacy and Values Fluency

- Values literacy A values literate person can to <u>read</u> a situation (real or virtual), <u>make a</u> <u>value judgment</u> on it and then <u>enact</u> that value judgment (Chambers & Sandford, 2016).
- Values fluency A values fluent person can articulate <u>why</u> they enact particular values in real and virtual settings and <u>gauge</u> the consequences of such actions (Chambers & Sandford, 2017).

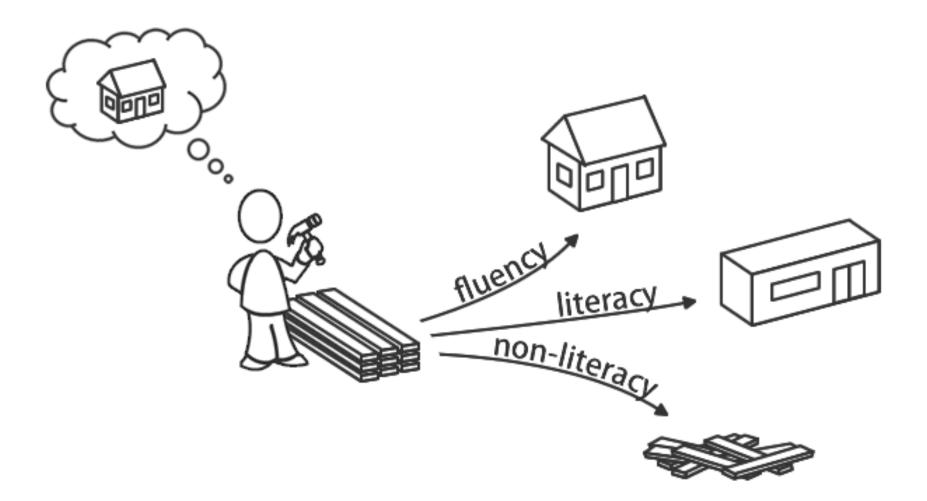
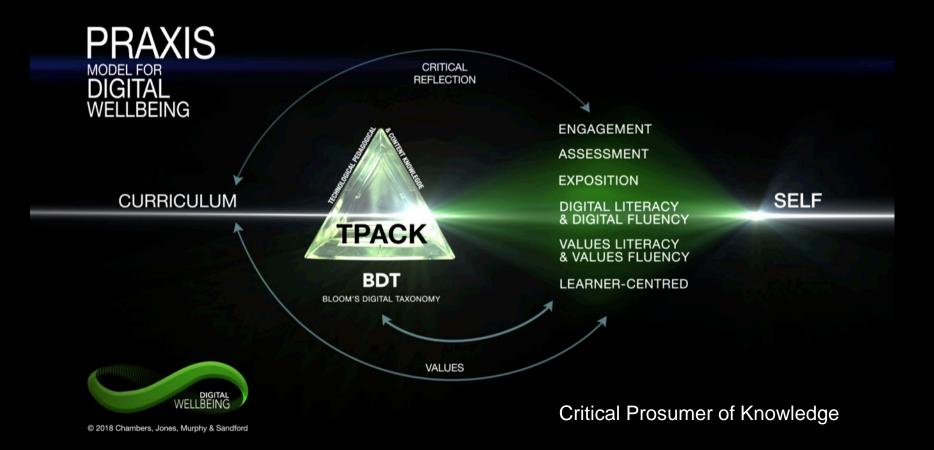


Figure 1: Values Literacy & Fluency (adapted from 'Digital literacy and fluency', Briggs & Makice, 2012)

Digital Wellbeing

Digital Wellbeing is the powerful combination of being **digitally fluent** and **values fluent** in **real** *and* **virtual settings**. A citizen who enjoys digital wellbeing will **thrive** and **flourish** as s/he is empowered to be **compassionate**, **connected**, **curious**, **creative** and **critically reflexive** in a digital society. **KEY FINDING 3:**

THE PRAXIS OF DIGITAL WELLBEING

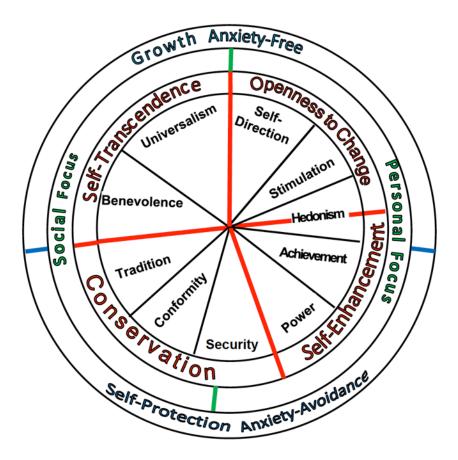


Strategy One DEVELOPING THE PERSONAL VALUES COMPASS: *RELATIONSHIPS AND REFLECTION*

Developing the Personal Values Compass: Component parts

Ecological lock	Кеу	Focus
Ontological Microsystem Macrosystem	1. Personal Mission Personal Mission Statement	Why are you here? What is your purpose? To what larger whole do you feel committed?
Ontological Microsystem Macrosystem	2. Personal Identity Myers Briggs Test	Who are you? What is your personality?
Ontological Microsystem Macrosystem	3. Personal Beliefs and Values Portrait Values Questionnaire	What do you believe in? What are your values?

Personal Values Compass: Where are you located?



(Circular motivational continuum of 10 values in the refined value theory, Schwartz et al., 2012)

Strategy Two IMPLEMENTING THE PERSONAL VALUES COMPASS: APPLICATION TO VALUES DILEMMAS

What is a Values Dilemma?

A values dilemma is a real-life value-centred problem.

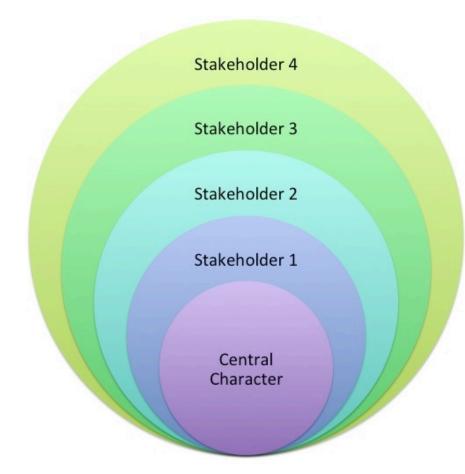
• An authentic **case study** highlighting one of the five DigComp 2.1 digital competencies.

The Values Dilemma

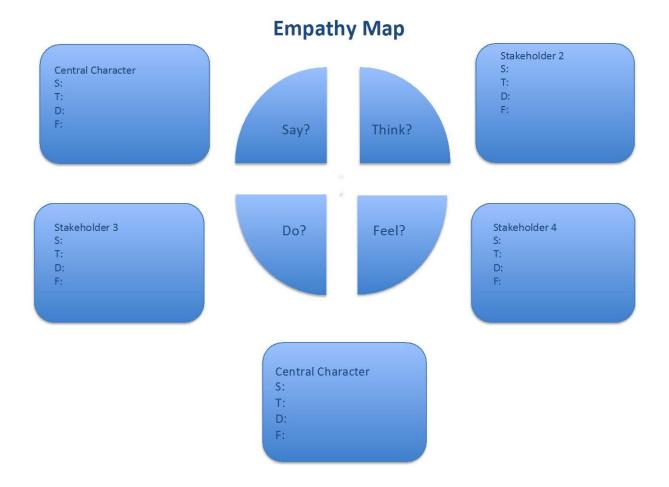
(Competency 2. Communication & Collaboration)

Joanie is 12 and going to a co-educational school and has lots of friends. When in PE class, Barry took a video of her performing a gymnastics routine and uploaded it to Instagram. Schoolmates are commenting on this and making fun of Joanie and her body shape. She told her parents what happened and they contacted the school principal. He asked Barry to remove video from Instagram, which he did while sitting in the school principal's office. Tim and Mike still have the video saved on their phones.

Ecology Map for Central Character and all Stakeholders

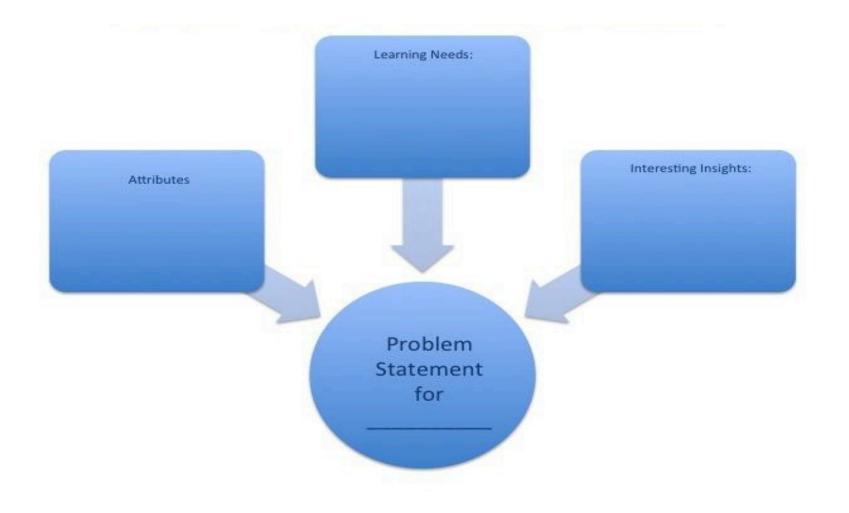


Empathy Map Template



(adapted from Hasso-Plattner Institute, 2016)

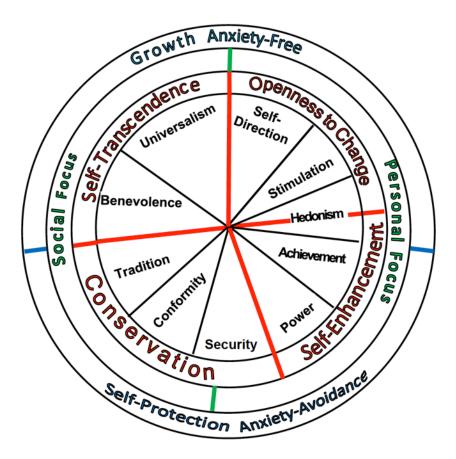
Problem Statement for each Stakeholder



Journey Map of Case

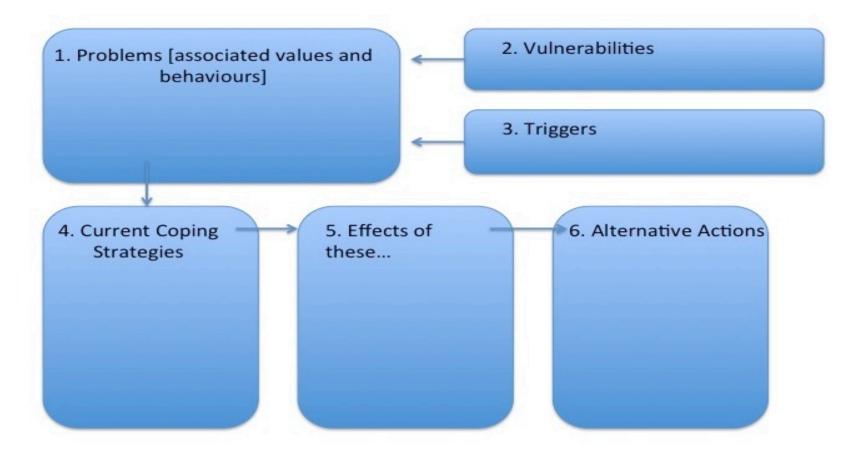
	Phases of Case	1	2	3	4	5	6	7	8	9	10
сс											
S1											
S2											
S3											
S4											

Personal Values Compass: Locate Central Character?



(Circular motivational continuum of 10 values in the refined value theory, Schwartz et al., 2012)

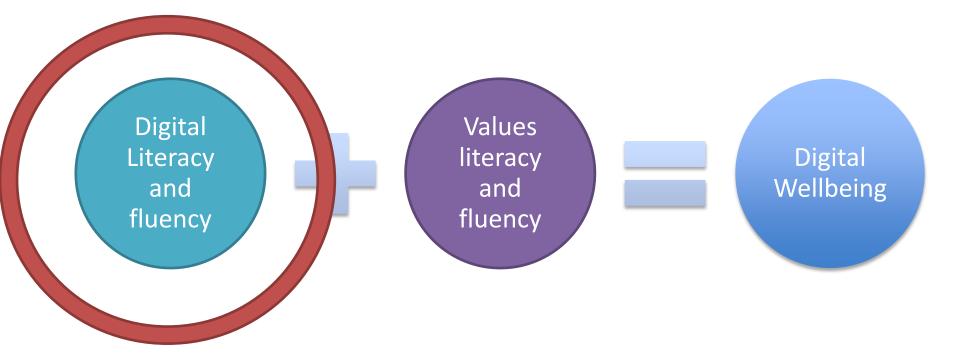
Cognitive Behaviour Therapy: *Alternative Action Formulation*



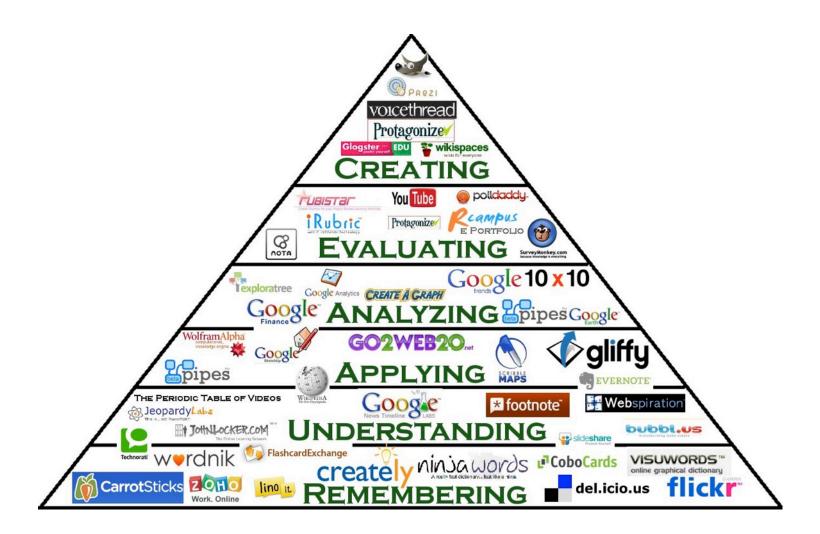
(Adapted from Alternative Action Formulation (Martin, 2018)

Strategy Three LEARNING MATRIX FOR TPACK

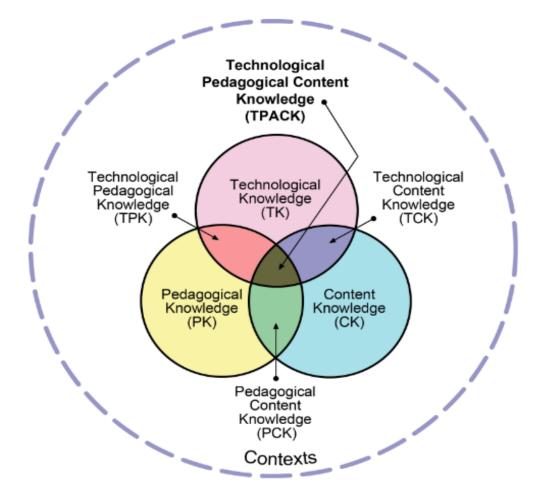
DIGITAL FLUENCY EDUCATION



Bloom's Digital Taxonomy (Churches, 2009)



Technological Pedagogical and Content Knowledge (Koehler & Mishra, 2005)



Learning Matrix for TPACK: 2. Communication and Collaboration

2. Communication and Collaboration										
Level	Foundation		Intermediate		Adv	anced	Highly Specialised Creating			
Bloom's Digital Taxonomy	Reme	embering	Understanding		Applying Evaluating					
Sub-level	1	2	3	4	5	6	7	8		
Who is responsible?	Maisie (with help)	Maisie	Maisie	Maisie	Maisie	Teachers, Pupils & School Community	Teachers, Pupils & School Community	Teachers, Pupils & School Community	School and Society	
General Comments	Learning the rules of engagement		Autonomous discovery		Independent application to multiple contexts	Guides Others	Able to adapt to others in a changing context	Integrate & New contribute to ideas for professional the fiel practice & guide others		
2.1 Interacting through digital technologies	With teachers guidance list social media apps	At home, find out what social media the family members use and why?	With classmates, discuss the positive and negatives of interacting through social media	Create an infographic to show the apps used by class and pros and cons of using these.	Explore other ways of using technology to interact	Evaluate where and when such technologies should be used	Developing an app	Create a school web page for colleagues showing variety of possibilities	Use VR pen to create new work	
2.2 Sharing through digital technologies	What are the rules about sharing personal material on line	Investigate the copyright and copyleft rules.	How might she have to change her behaviour to ensure she is safe online and that she is not infringing copyright?	What are the pros and cons of Wikipedia?	Creates a personal website on word press	Peer review of website design	A global classroom project on global issue of concern	On site show variety of student work	Create a world in Open Sim for the work	
2.3 Engaging in citizenship through	What is citizenship	Identify a person whom	Showing an understanding	Choose a particular	Develop a multimedia art	Set up local school	Installation of the multimedia	Create school policy in	*	

Go raibh maith agaibh as éisteacht liom...

Merci de m'écouter!





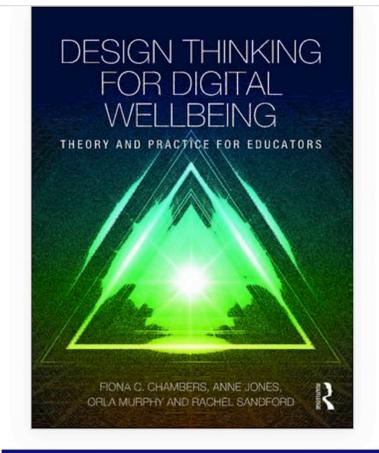
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Design Thinking for Digital Well-being

Theory and Practice for Educators, 1st Edition

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Routledge



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