Creating Education 4.0

for learning technologists.

Workshop

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Creating Education 4.0 Agenda

1. Brief explanations – Industry 4.0, Technology 4.0, Education 4.0. Intervention & discussion- 10 mins

2. Starting from now- a systems framework for travelling over the horizon. – Explanations – 5 mins

3. Creating new maps of 4.0 education futures – table groups – work-shopping – 25 mins

4. Visual presentations of preferred & viable futures- table groups- 15 mins

5. Summary for ‘take away’. 5 mins
Creating Foresight-preferred and viable futures

• Foresight is considering the past, present and future
• Foresight leads from mapping alternative futures to shaping desired futures
Working with emerging futures

1. **Upward connection**
   Connecting to inspiration, sparks of intuition and intent

2. **Horizon connection**
   Listening to the feedback from the context

3. **Downward or local connection**
   Engaging in and learning from locally embedded fast-cycle connections

*From Scharmer 2009 p,213*
Boundary Shifting

4.0- Technology, Industry, Global...Education
Proposition

Reshape the curriculum and the mode of learning from now to enable future students to make their best contribution to and benefit from the 4.0 world.

Checklist for viability.

• Shared purpose and passion
• Securing resource commitment
Exploring Education 4.0

- White - facts (known or needed)
- Yellow – value & benefits
- Black – judgement & weaknesses
- Red – feelings, hunches, intuition
- Green – creating, generating possibilities

- Blue - implementation

Acknowledgement-
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Benefits

The yellow hat is for positive thinking
Cautions

The black hat is for critical judgement, negative sides
Feelings

The red hat is associated with feelings, intuition and emotions
Creativity

The green hat is about creative thinking and generating new ideas.
Process

The blue hat is about process control. It asks for summaries, conclusions and decisions.

https://padlet.com/brindlej/w1no5rskuuvw
References & follow up


• [https://learningforsustainability.net/systems-thinking/](https://learningforsustainability.net/systems-thinking/)


• www.Gillysalmon.com
“Never doubt the power of a small group of people to change the world. Nothing else ever has”.
Margaret Mead

Thanks for taking part

Gillysalmon.com/presentations

“Every society honours its live conformists and its dead troublemakers.”
Mignon McLaughlin

No budgets or humans were harmed in the making of this presentation.
The next Web- Web 4.0 – is the ‘symbiotic web’. The symbiosis is between artificial and human intelligences and how they interact and gain experiences from each other. They become a team – learning from each other. Whilst over quite a few years computers, have been undertaking ever more complex tasks and fast, Artificial Intelligence (AI) represents technological applications now becoming competent in aspects that we previously thought only human brains could undertake. It is this development (which was preceded by and builds upon Web 1, 2 and 3) that takes Web 4.0 into the unknown, and points to an awakening of Education 4.0.

We need to mirror symbiosis- the best of technology with the best of human teaching. We know that in education that major changes take a very long time. Many discussions around Industry and Education 4.0 are couched around the technologies themselves. There’s a paradox here – that the most valuable skills of all in the future will those that are intrinsically blatantly human- creativity, critical thinking, responsive communication and out and out human collaboration. Therein lie our clues

Extract from ‘May the Fourth Be With You’. G. Salmon