The Future Creativity Response
Empirical evidence and update

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Plenary Session 5 Person-Centered Education

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Creativity is not about....

Einstein, Da Vinci, Rembrandt

Talent, fun, happiness or success
Introduction:

Developed in the 18th century

50 Points (PISA): 2 years; 0,6% economic growth

It takes 50 years to make a change

We do not tap into the full potential

The Big 'five'

Fryer R.G. 2013ff
Tough P. 2016
Pritchett L. 2013
The Big Five: The science gap in educational reforms

1. J. Heckman Equation

https://heckmanequation.org/resource/lifecycle-benefits-influential-early-childhood-program/
OECD, 2012
N.Yaljian et al 2015
The Big Five: The science gap in educational reforms

1. J. Heckman Equation

2. J. Hattie’s Findings

OECD 2012, 2015, J.Hattie 2012 ff
Inter-personal variables oversteer institutional variables by factor 2: (ES 0.23 versus 0.49)
The Big Five: The science gap in educational reforms

1. J. Heckman Equation

2. J. Hattie’s Findings

3. Input-Out put Fallacy
   1/4 is input, 3/4 is…

OECD 2012, 2015, Brunnhuber 2017
https://www.oecd.org/pisa/
Building Block of Non-cognitive factors:

Brooke Stafford K. 2016
Brunnhuber S. 2016; 2017
The Big Five: The science gap in educational reforms

1. J. Heckman Equation

2. J. Hattie’s Findings

3. Input-Output Fallacy

4. Creativity Response

- Exercise and Cognition
- Mindfulness - IT
- Rest and Sleep - 7/24
- Multi-sensory learning - digital learning
- Social Competence - Competitiveness
- Nutrition and Supplements - Neuro-enhancement

Mihaly Csikszentmihalyi 2012
Carl Gustav Jung 1958 ff
Gazzangia 2013
Garrett, 2010
The Big Five: The science gap in educational reforms

1. J. Heckman Equation
2. J. Hattie’s Findings
3. Input-Out put Fallacy
4. Creativity Response
5. The Causal Link

R. Klingholz (2015)
Conclusion:

We can not not learn

Learning ain’t Education / Creativity

Cognitive versus Non-cognitive Factors

Psychology and Life-Style changes required

Science makes the difference
Creativity is about....

Two forms of education:

1. Enacting, envisioning, enabling something new and unique

2. Without: Like a postman