

The Future Creativity Response

Empirical evidence and update

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Plenary Session 5 Person-Centered Education

Brunnhuber MD PhD WAAS Trustee



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

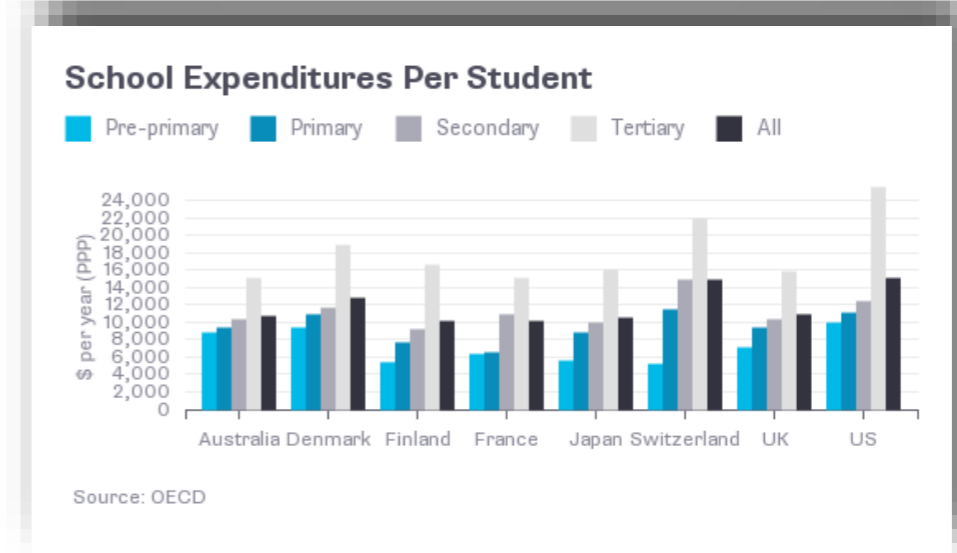
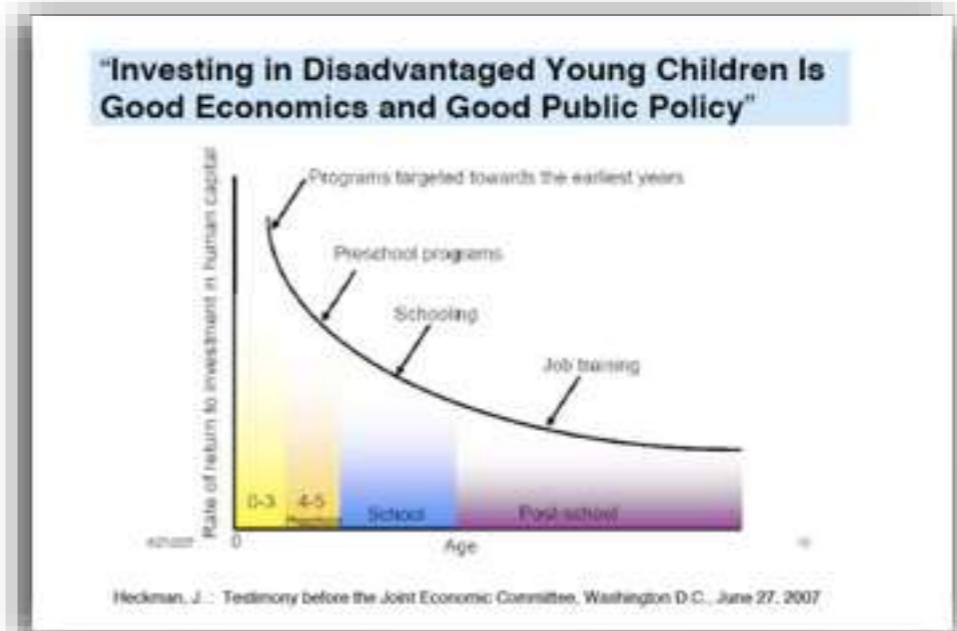
It takes 50 years to make a change

We do not tap into the full potential

The Big ,five‘

The Big Five: The science gap in educational reforms

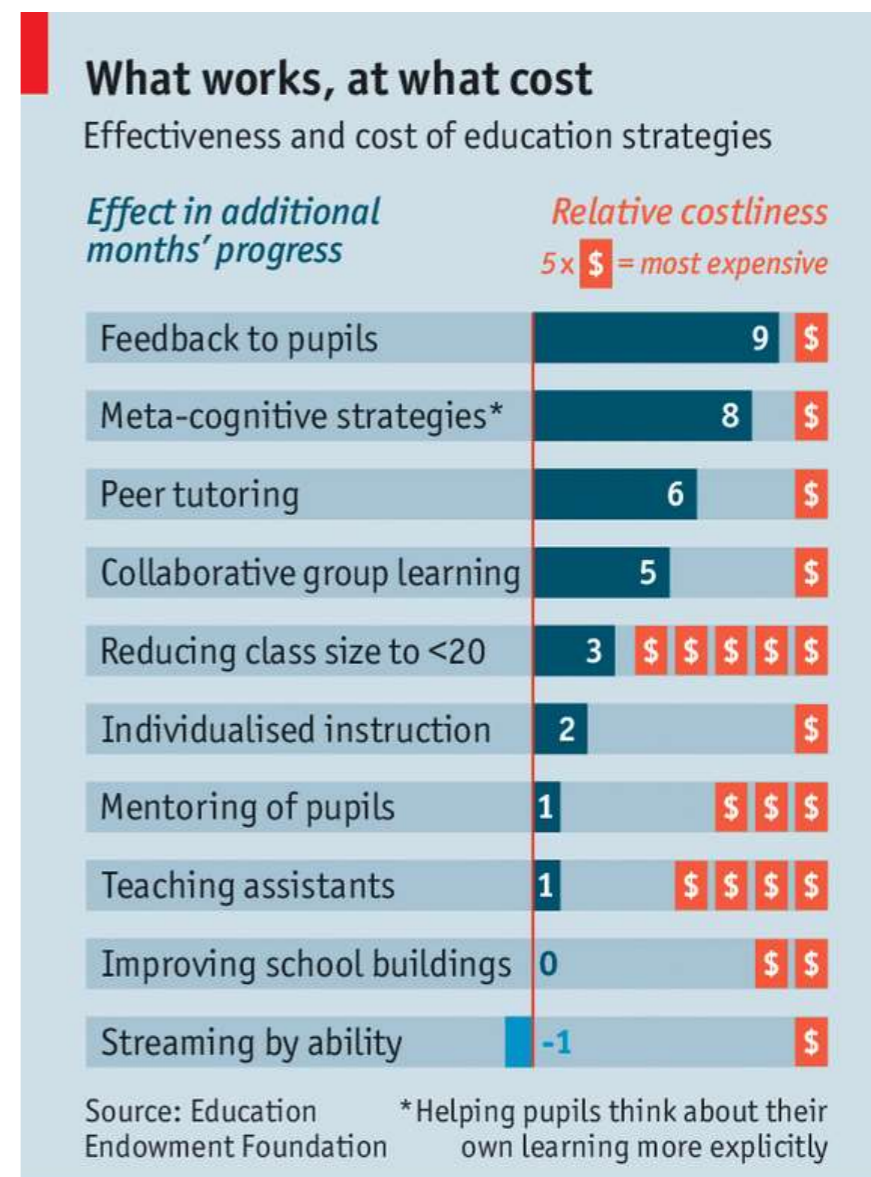
1. J. Heckman Equation



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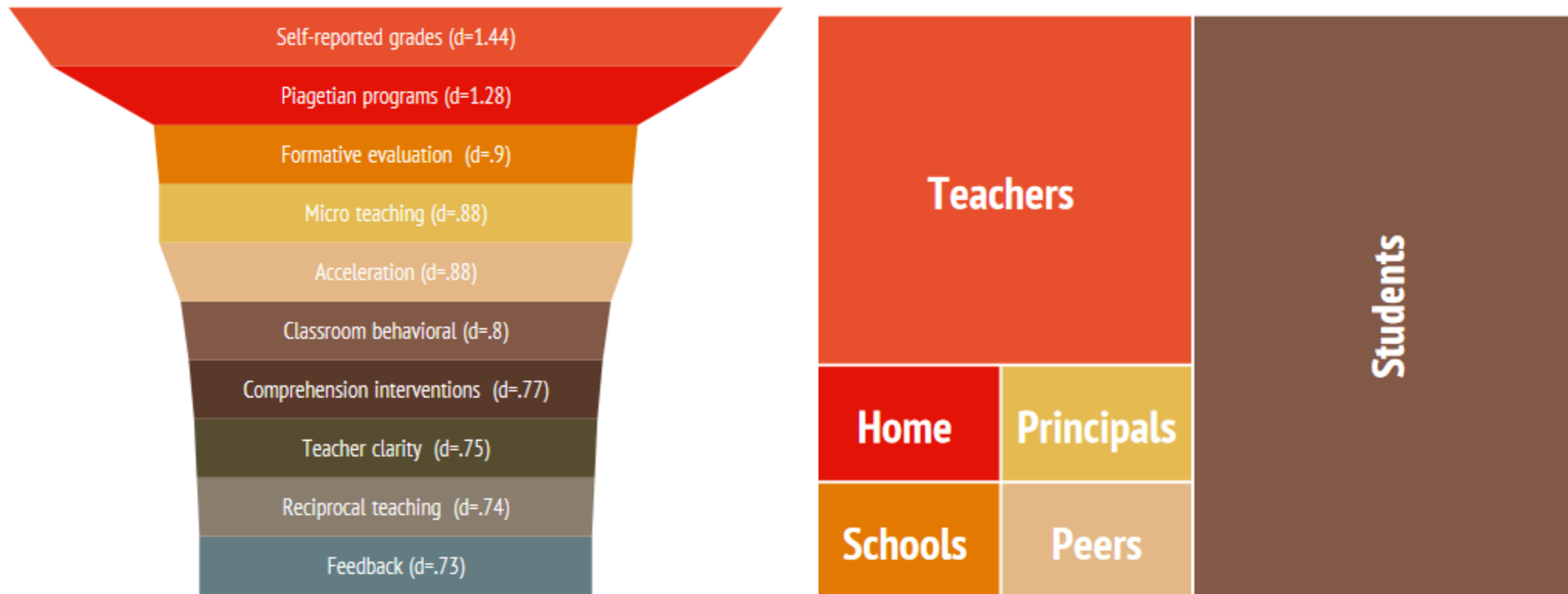
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2. J. Hattie's Findings



Economist.com

Inter-personal variables oversteer institutional variables by factor 2: (ES 0,23 versus 0,49)



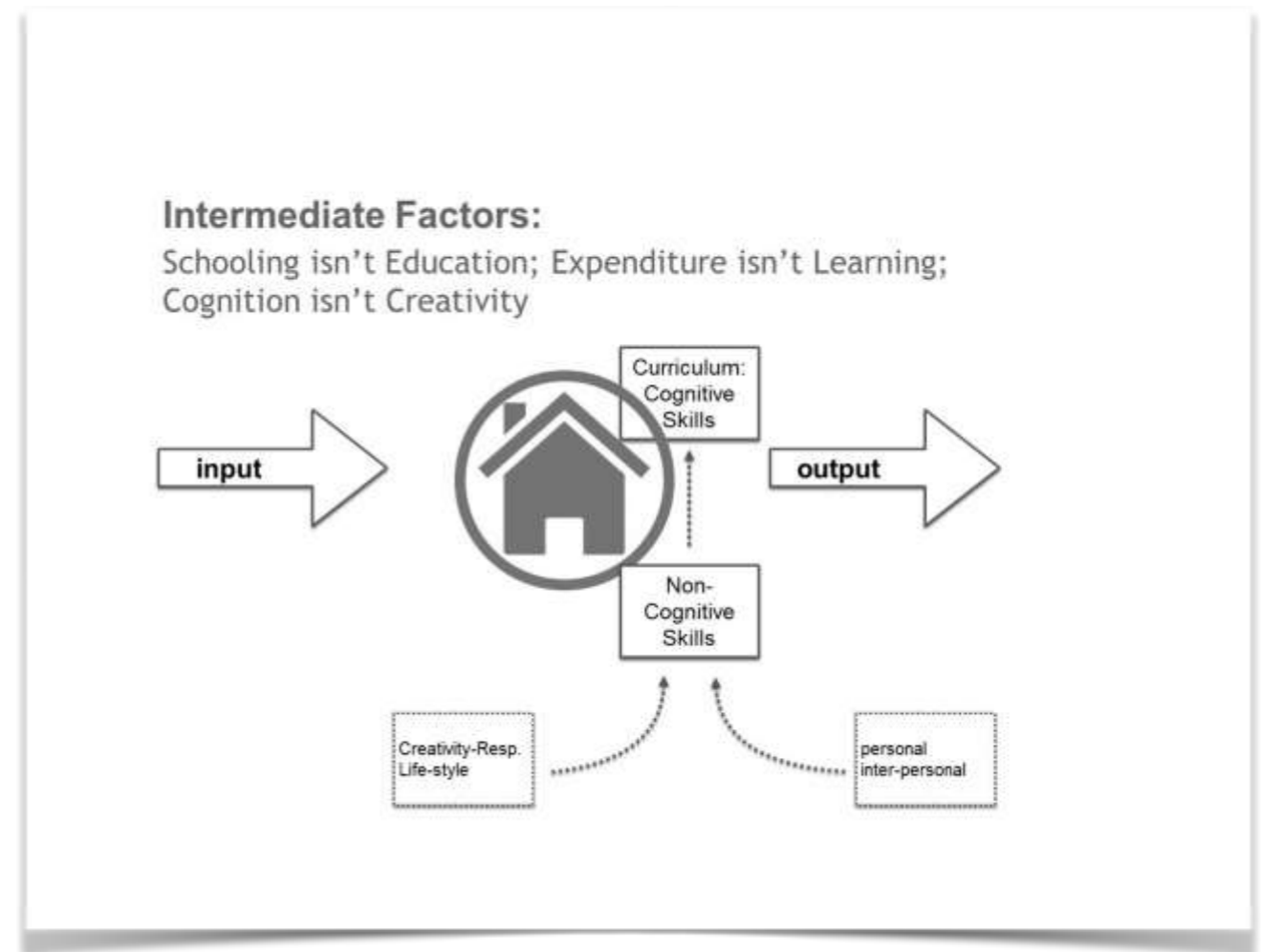
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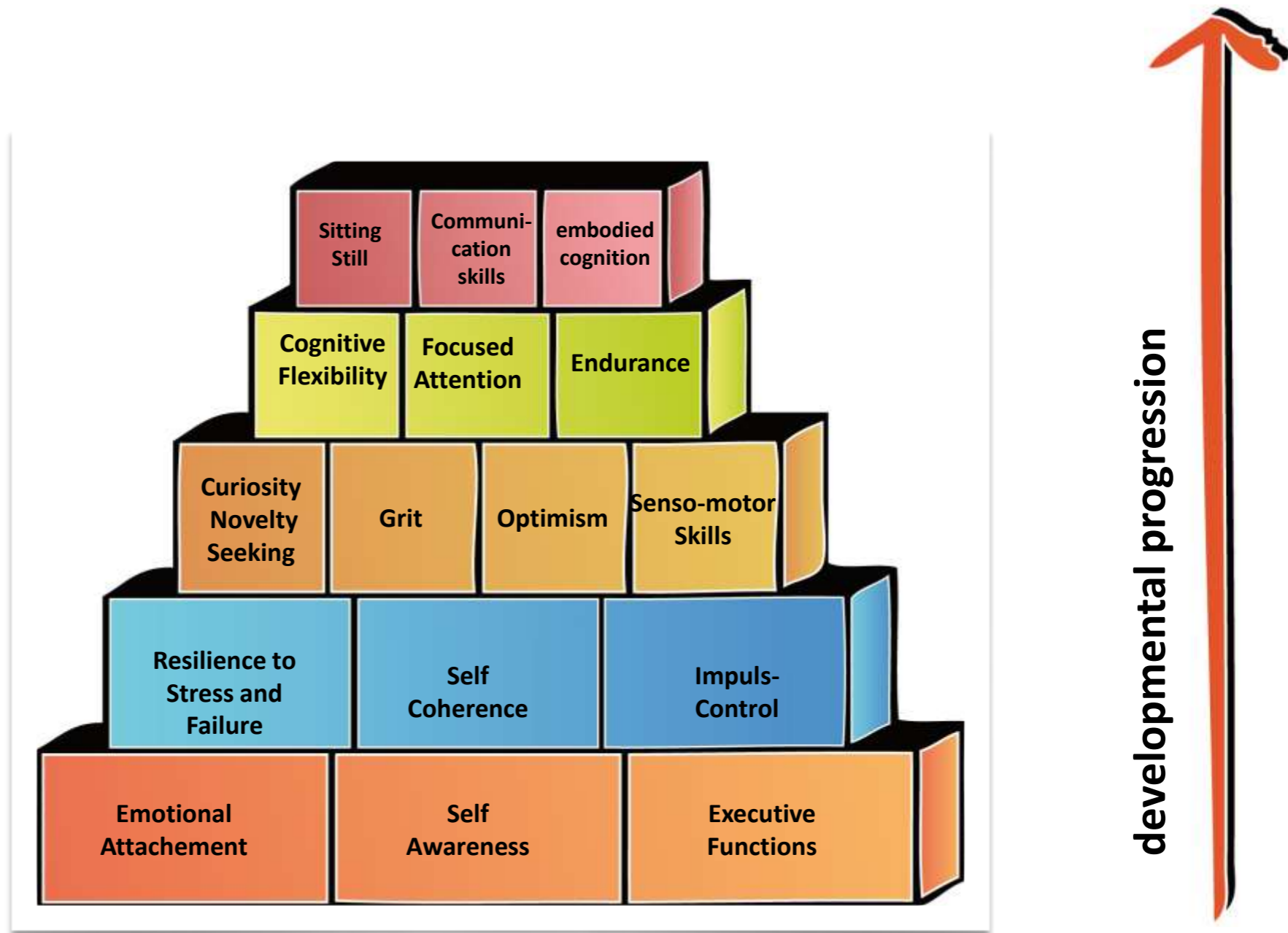
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3. Input-Output put Fallacy

1/4 is input, 3/4 is...



Building Block of Non-cognitive factors:



The Big Five: The science gap in educational reforms

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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

The Big Five: The science gap in educational reforms

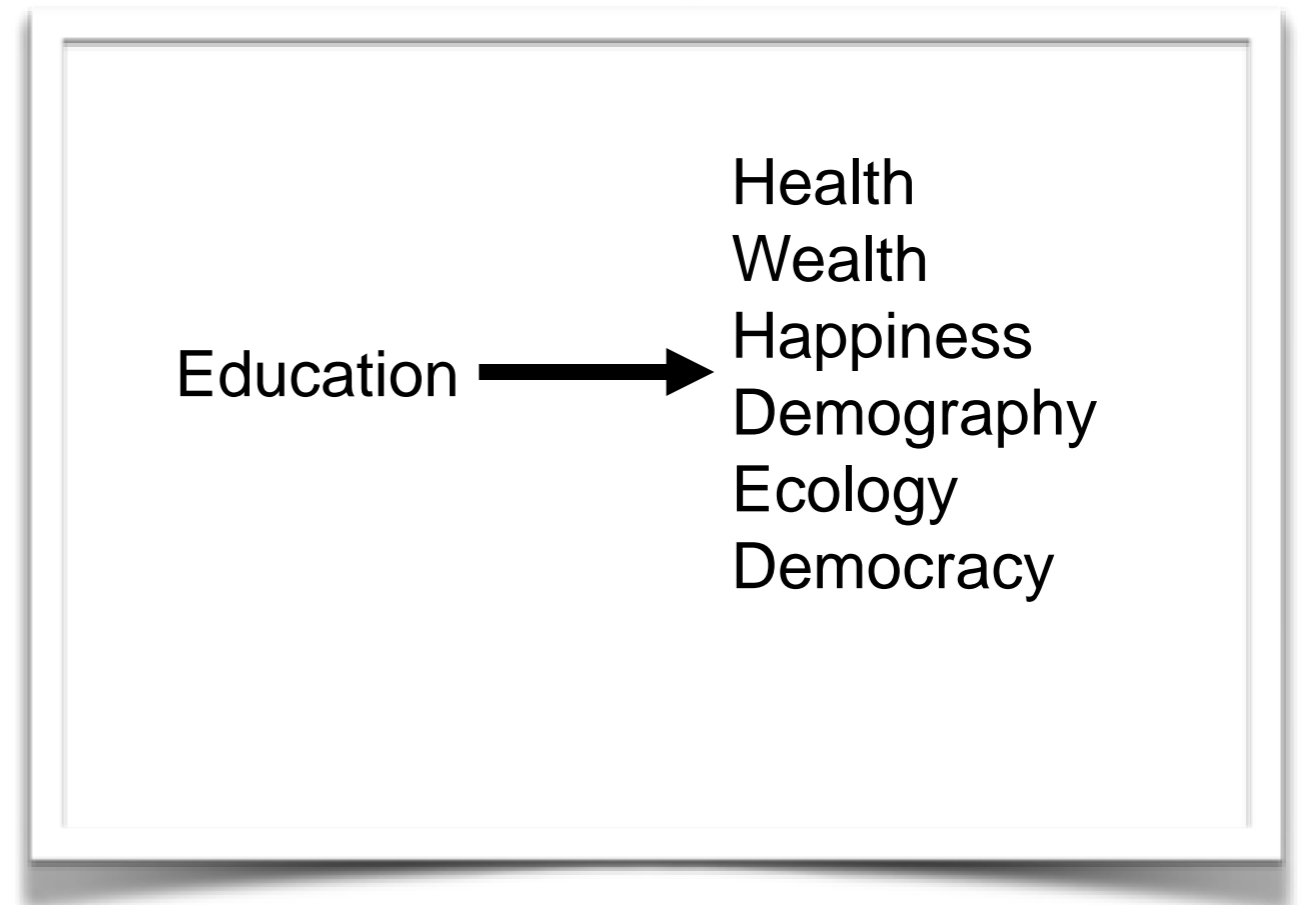
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4. Creativity Response

5. The Causal Link



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