

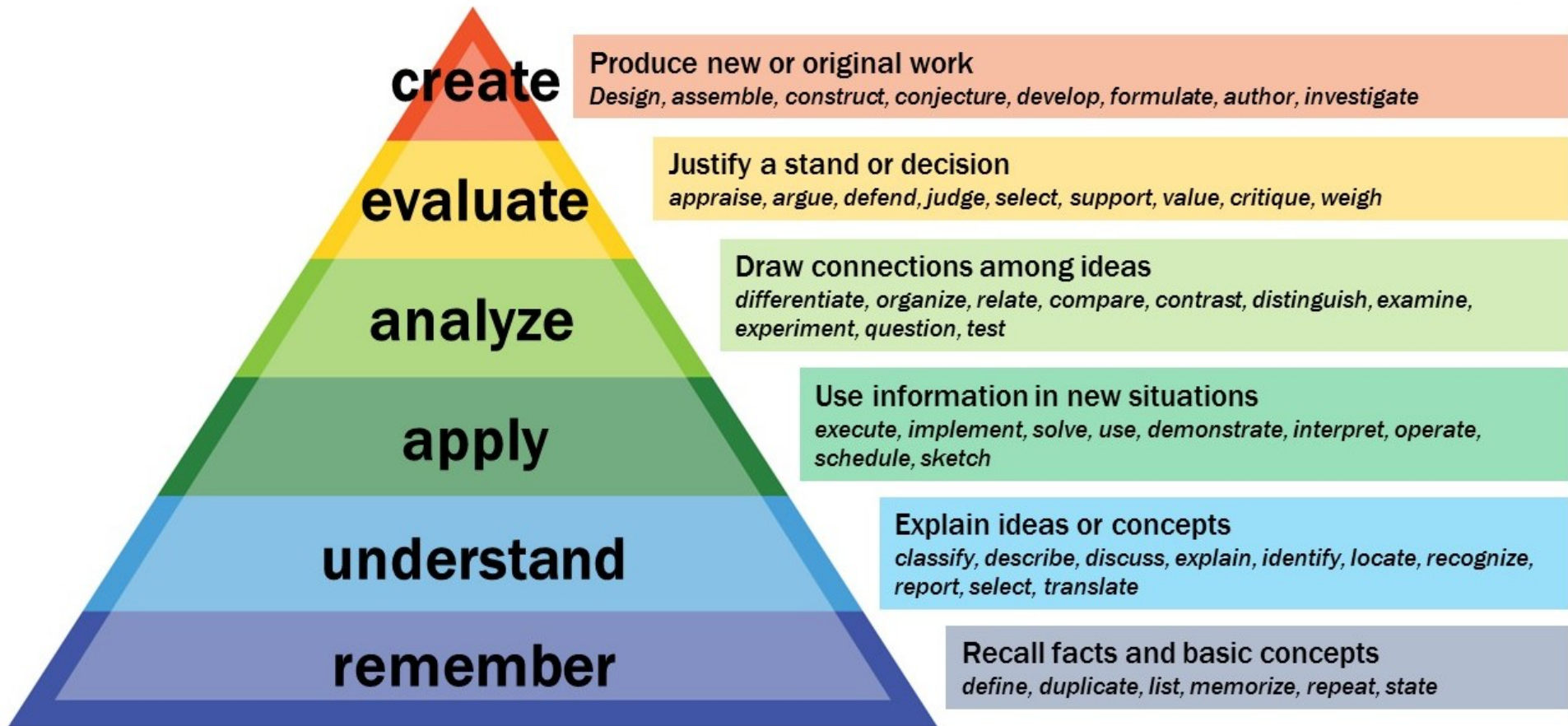
How does your digital pedagogy transform your students' learning?

A discussion led by Angie Popova, PhD
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AMICAL 2020

Bloom's Taxonomy



Survey

“And? Have they learnt anything?”

True or false?

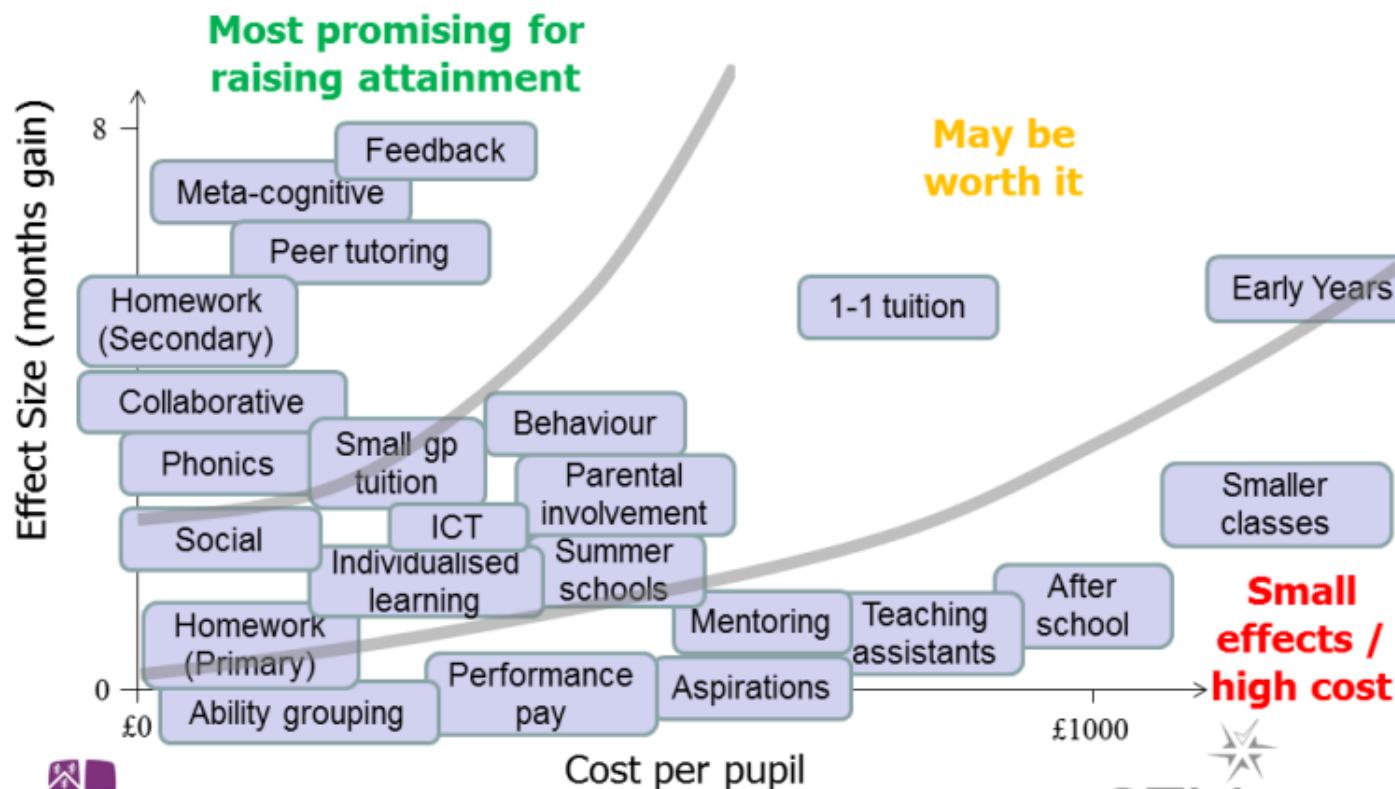
1. Reducing class size is one of the most effective ways to increase learning [\[evidence\]](#)
2. Differentiation and 'personalised learning' resources maximise learning [\[evidence\]](#)
3. Generous praise encourages learners and helps them persist with hard tasks [\[evidence\]](#)
4. Technology supports learning by engaging and motivating learners [\[evidence\]](#)
5. The best way to raise attainment is to enhance motivation and interest [\[evidence\]](#)

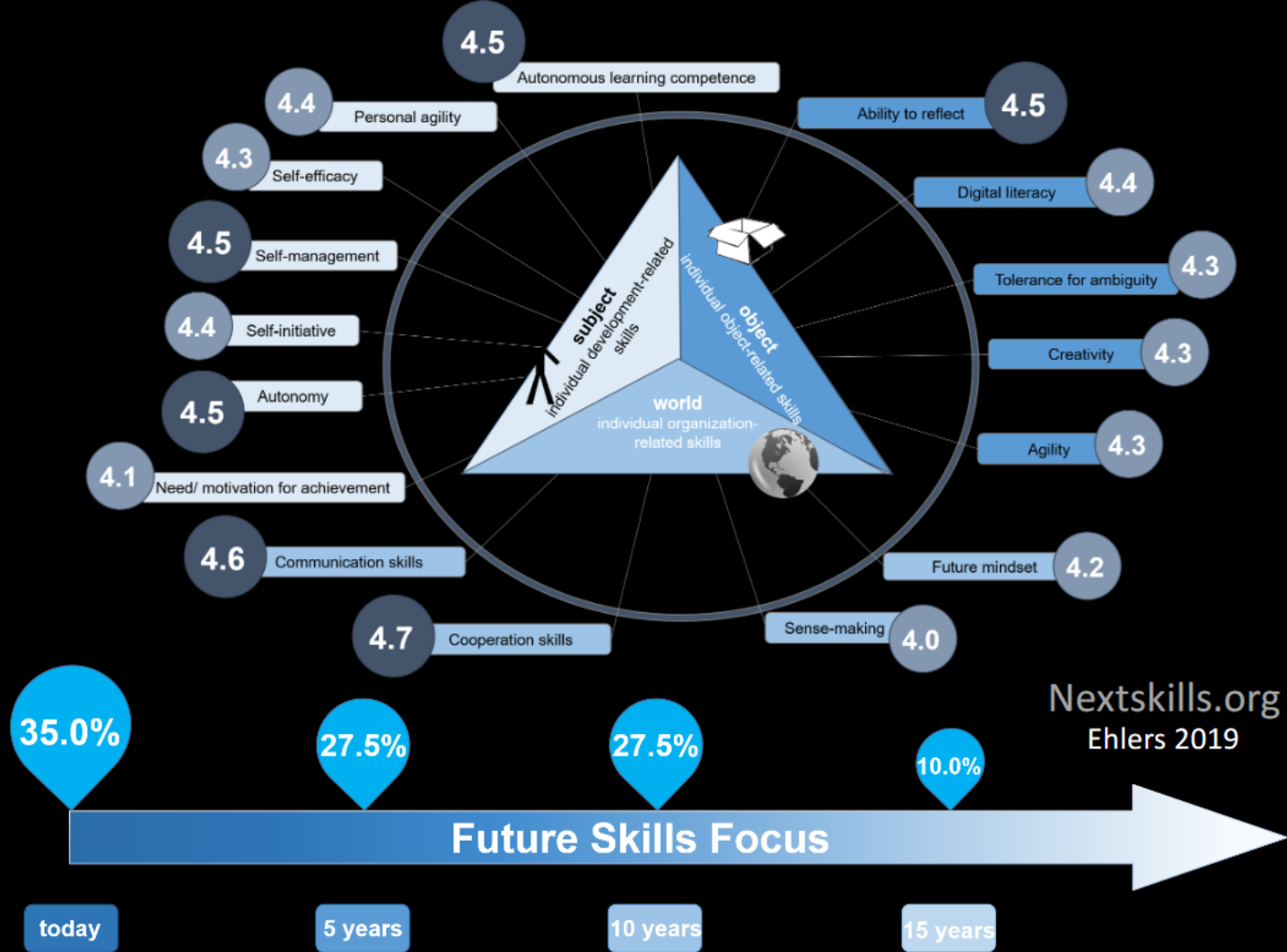
Poor Proxies for Learning

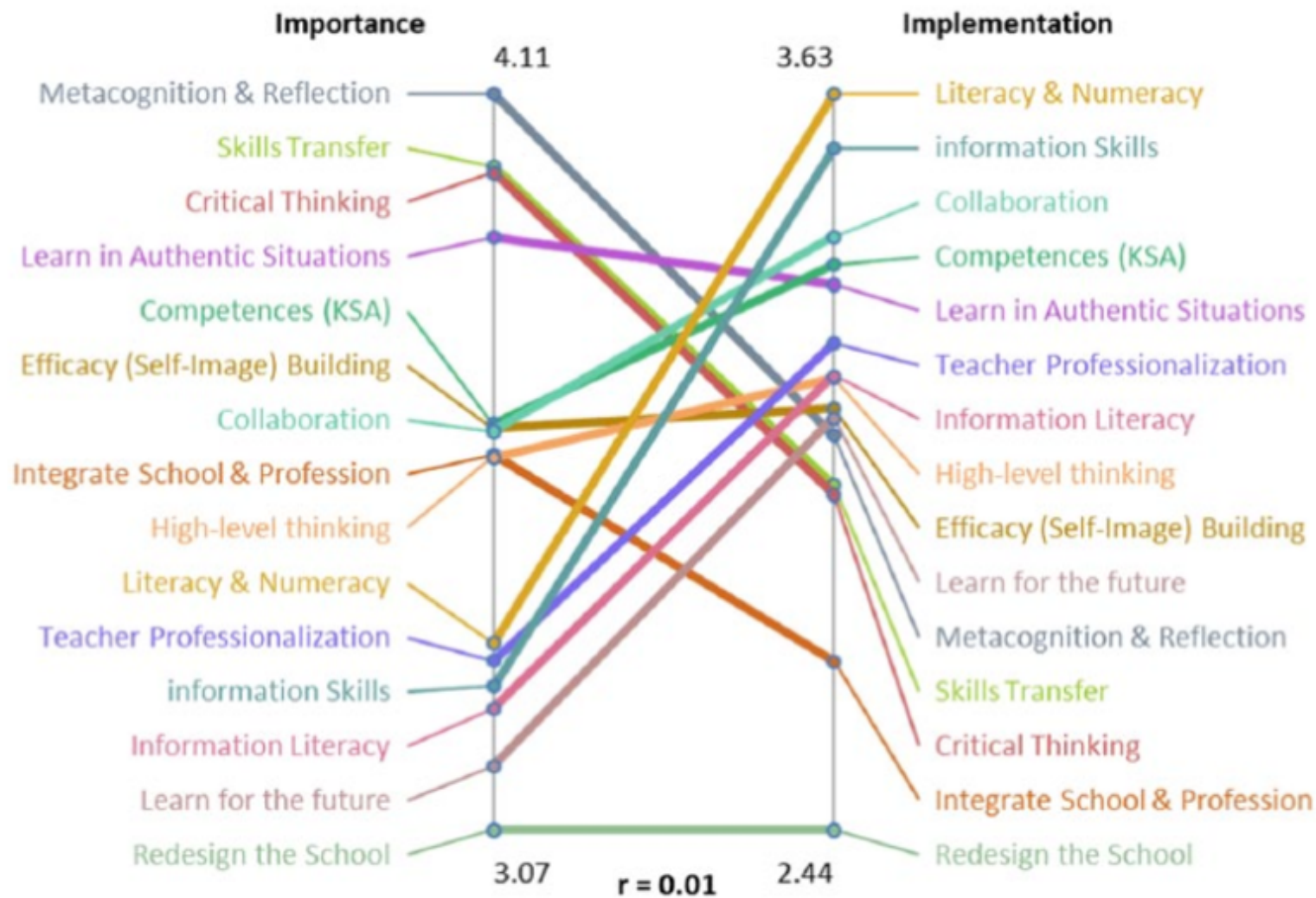
(Easily observed, but not really about learning)

1. Students are busy: lots of work is done (especially written work)
2. Students are engaged, interested, motivated
3. Students are getting attention: feedback, explanations
4. Classroom is ordered, calm, under control
5. Curriculum has been 'covered' (ie presented to students in some form)
6. (At least some) students have supplied correct answers (whether or not they really understood them or could reproduce them independently)

Impact vs cost







Central Asia

- Role of industry
- Changes in curriculum
- Self-learning
- General Knowledge
- Language and communication skills
- Experiential learning
- Digital Literacy
- Personal skills/ values
- Leadership
- Teachers' qualification
- Creative thinking
- Critical thinking
- Emotional intelligence
- Career
- Humanities
- Motivation



What will farming look like on Mars?

One of the major difficulties in colonising Mars is the fact that there is no form of life and very little water on the planet.

Photo credit: Felix Speller

LTEM: Learning-Transfer Evaluation Model

Tier 8	Effects of Transfer	Work
Tier 7	Transfer	
Tier 6	Task Competence	Learning
Tier 5	Decision-Making Competence	
Tier 4	Knowledge	
Tier 3	Learner Perceptions	
Tier 2	Activity	
Tier 1	Attendance	