

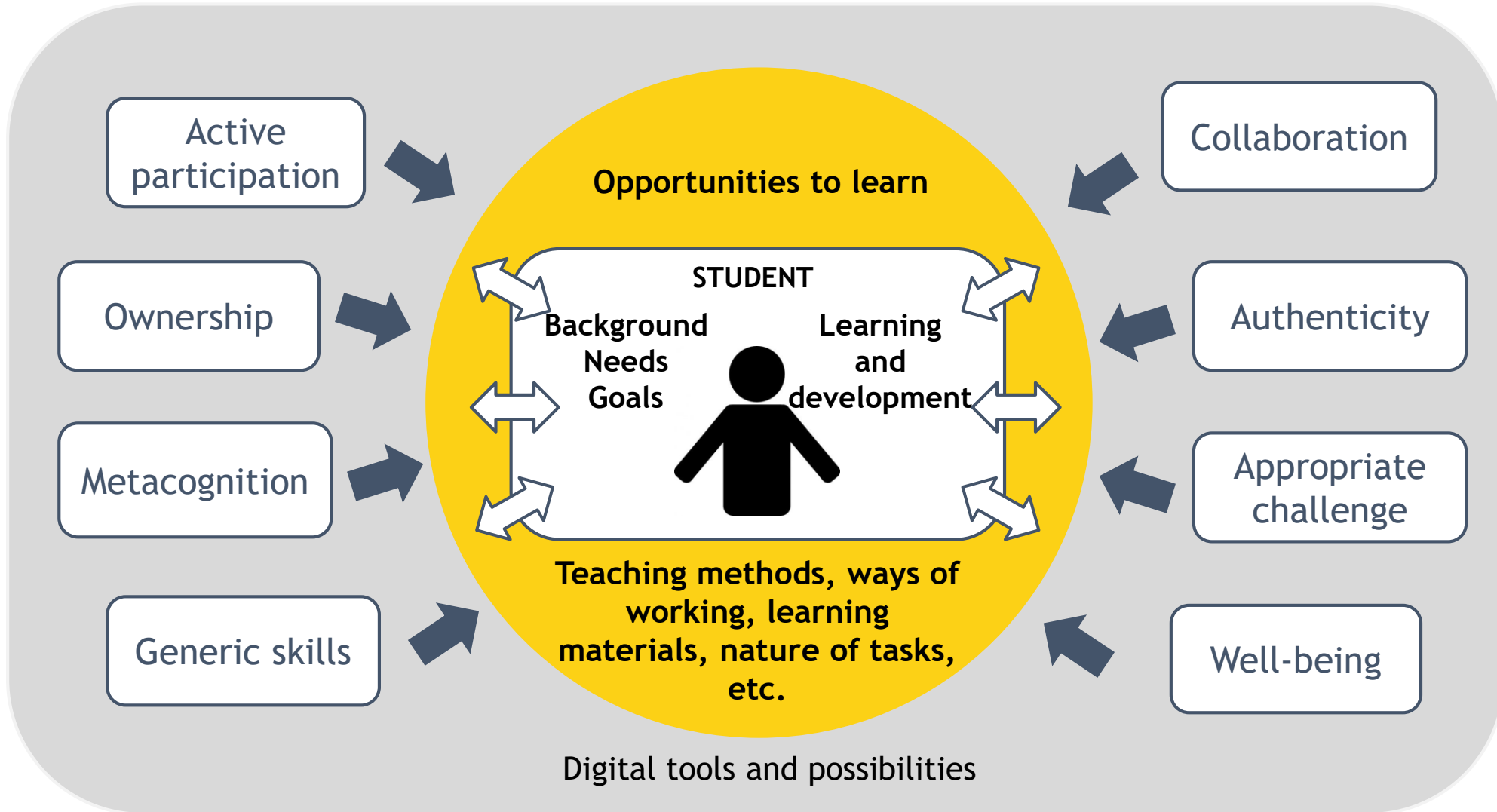
Approaches to teaching and learning

The webinar programme on ICT IN PEDAGOGY

25.11.2022

Dr Minna Lakkala & Dr Liisa Ilomäki, University of Helsinki

Background: Sociocultural and ecological approaches to learning

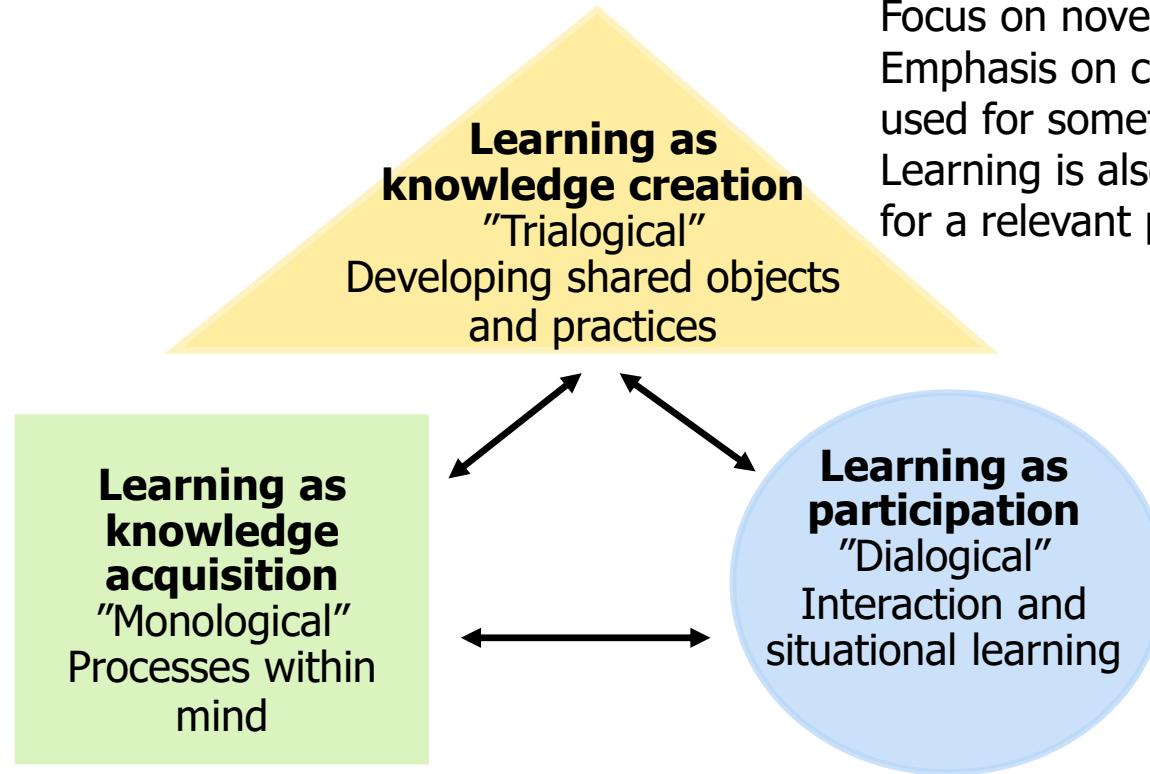


What kind of learning we aim to promote?

- The three metaphors of learning

(Sfard 1998, Paavola & Hakkarainen 2005)

Focus on individual learners. Emphasis on learning conceptual knowledge and practical skills as effectively as possible. Learning is building knowledge structures in mind.



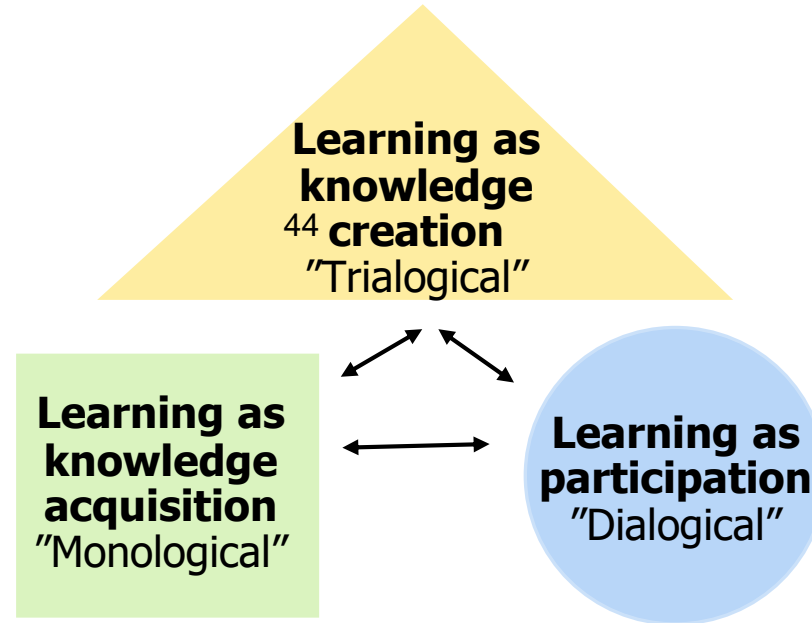
Focus on novel, shared outcomes. Emphasis on creating content that is used for something. Learning is also creating new solutions for a relevant purpose.

Focus on social interaction and community practices. Emphasis on authentic situations and hands-on tasks. Learning is also social growth, adopting cultural practices and building identity.

Examples of pedagogical methods and the metaphors of learning

Collecting ideas in a shared forum
Group discussion for making a synthesis
Making a report or a presentation in groups
Making a video about a topic

Lecture with activating task
Drill-and-practice tests
Learning games
Reading material and taking an exam
Writing an essay about the subject



Singing together
Argumentation exercise
Peer-commenting
Laboratory work in groups
Speaking a foreign language

● ● Reflections about the metaphors of learning

- Write in the Padlet wall examples of pedagogical practices representing different metaphors of learning.
- Think especially the pedagogical practises of distance/online learning for elementary school students.

● ● References

Paavola, S., & Hakkarainen, K. (2005). The Knowledge Creation Metaphor – an emergent epistemological approach to learning. *Science & Education*, 14, 535–557. Online version.

Sfard, A. (1998) On two metaphors for learning and the dangers of choosing just one. *Educational Researcher*, 27, 4–13. <https://www.lumate.fi/wp-content/uploads/2015/04/Salminen.pdf>