

Learning in the 21st Century

Italo Masiello

(Lärande i en digital tid)

Introduction

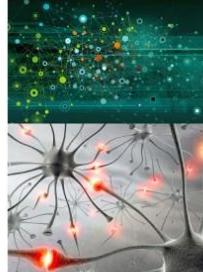
Affordances

Ahead

Research

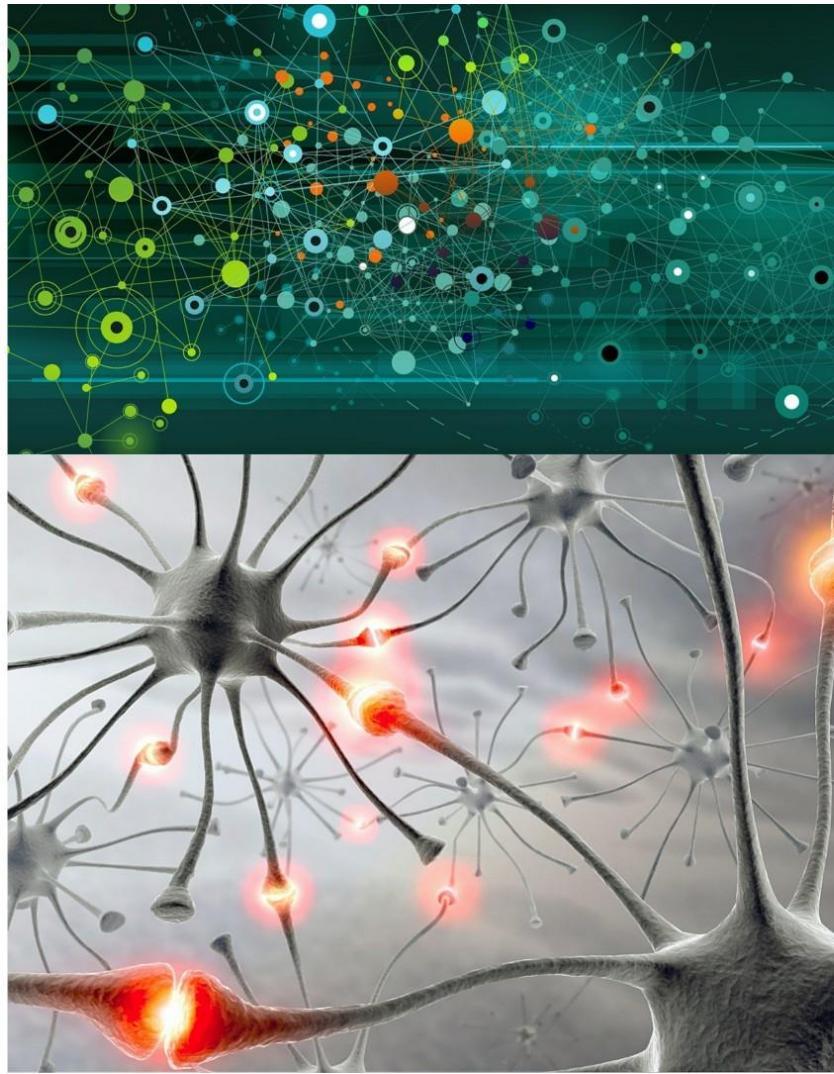
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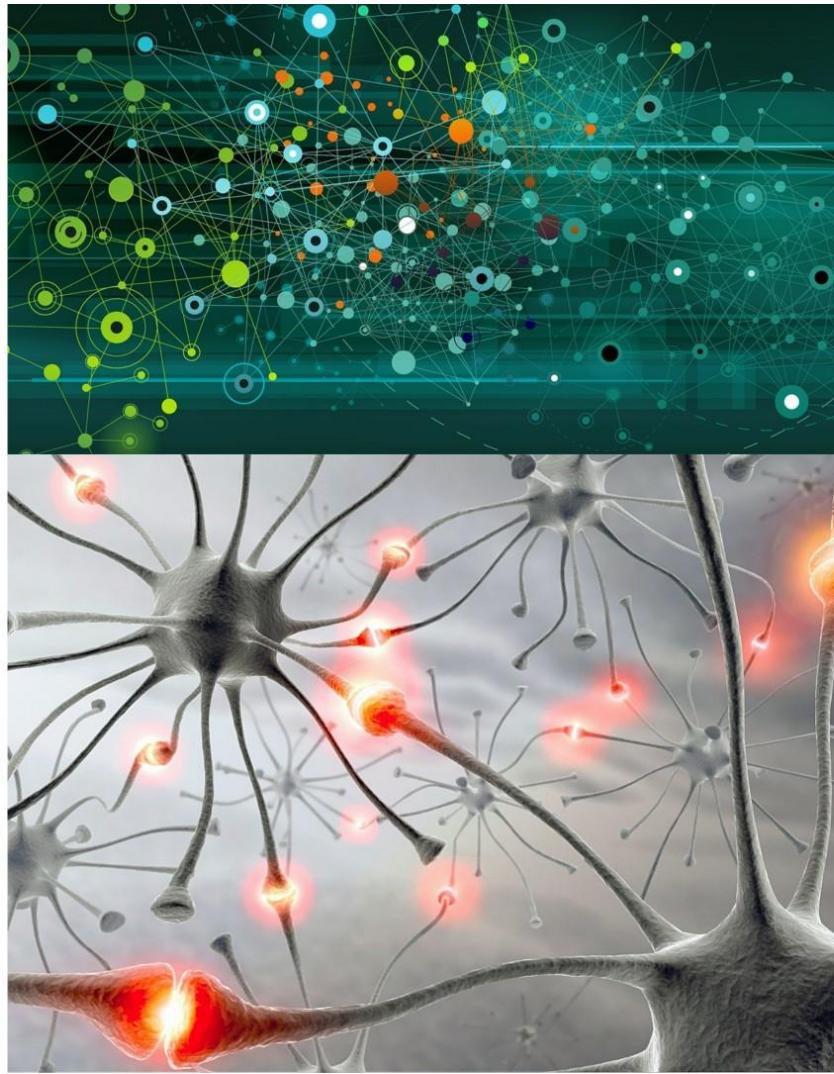
Evolution of learning



Transformation

21st Century









Winnowing

Harvesting

Threshing floor





Tranformation of learning

No Play



Tranformation of learning

- *Play and exploration*
- *Physical activity*
- *990 000 years*

No Play

Transformation of learning

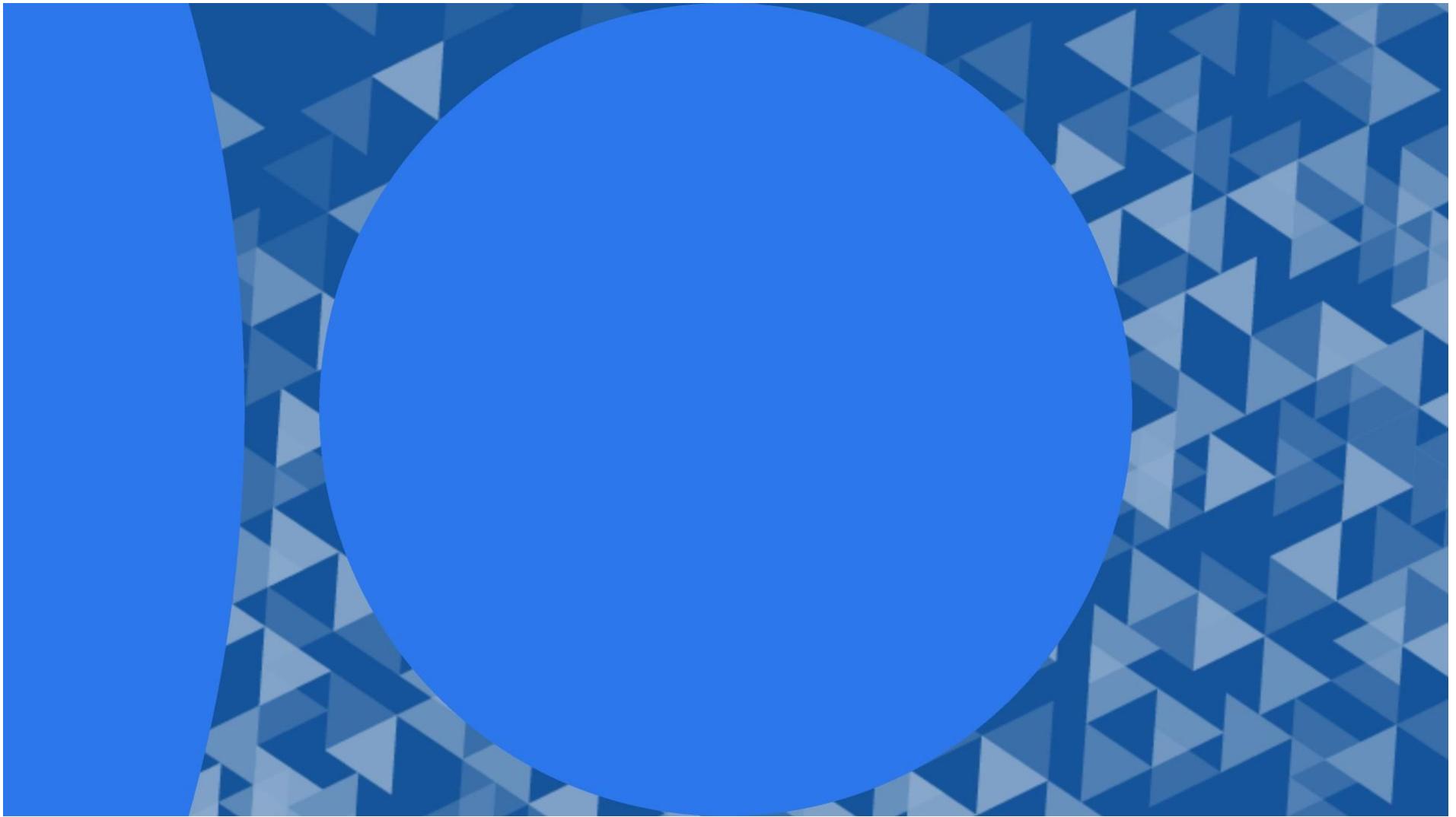
- *Play and exploration*
 - *Physical activity*
 - *990 000 years*
- ↓
- *Suppression of play and exploration (apprenticeship)*
 - *Physical activity*
 - *10 000 years*

No Play

Transformation of learning

- *Play and exploration*
 - *Physical activity*
 - *990 000 years*
- ↓
- *Suppression of play and exploration (apprenticeship)*
 - *Physical activity*
 - *10 000 years*
- ↓
- *Suppression of play and exploration*
 - *Suppression of physical activity (schooling)*
 - *150 - 200 year*

No Play













Learning is work, and not play

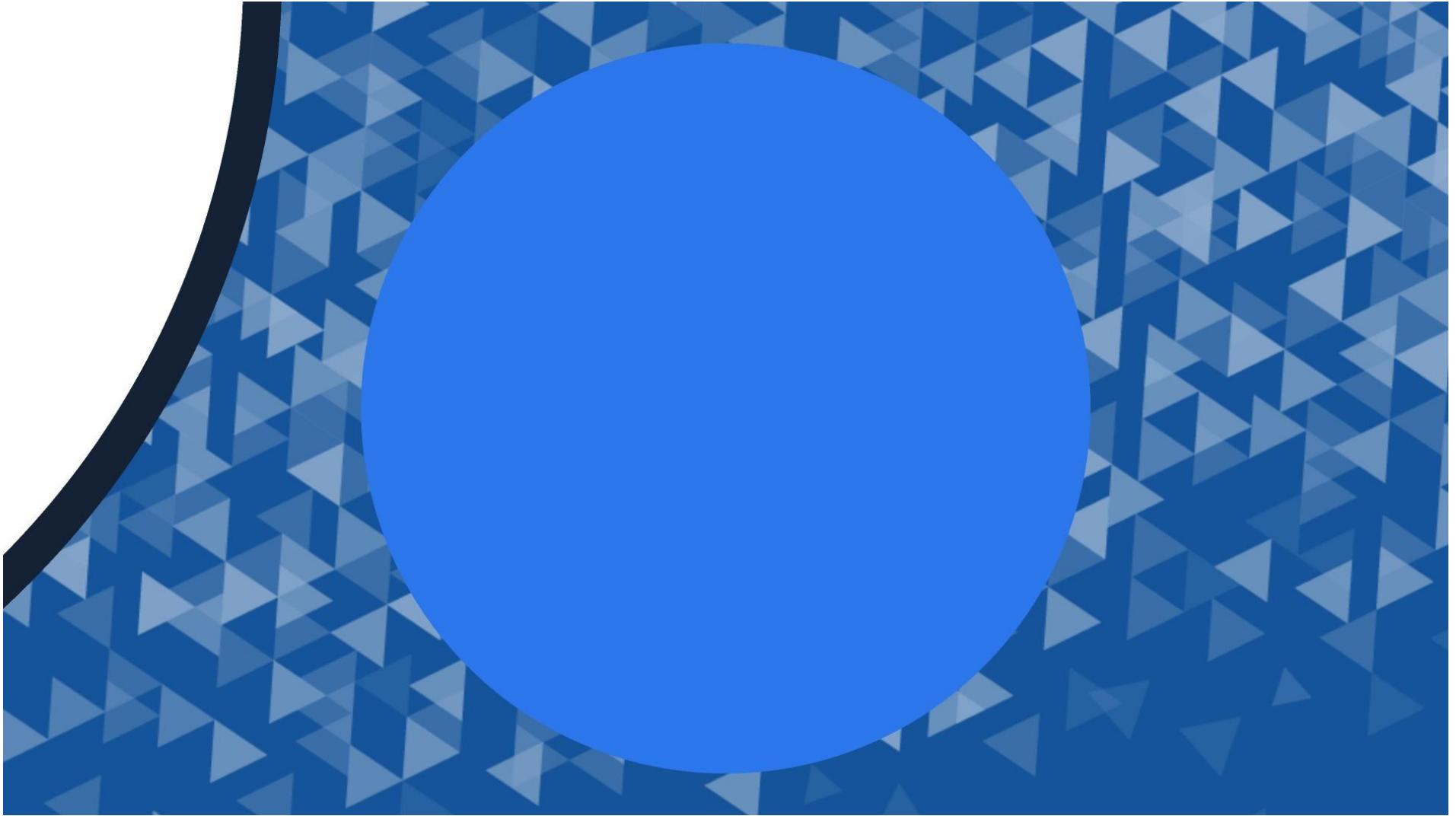
Digital technology in education

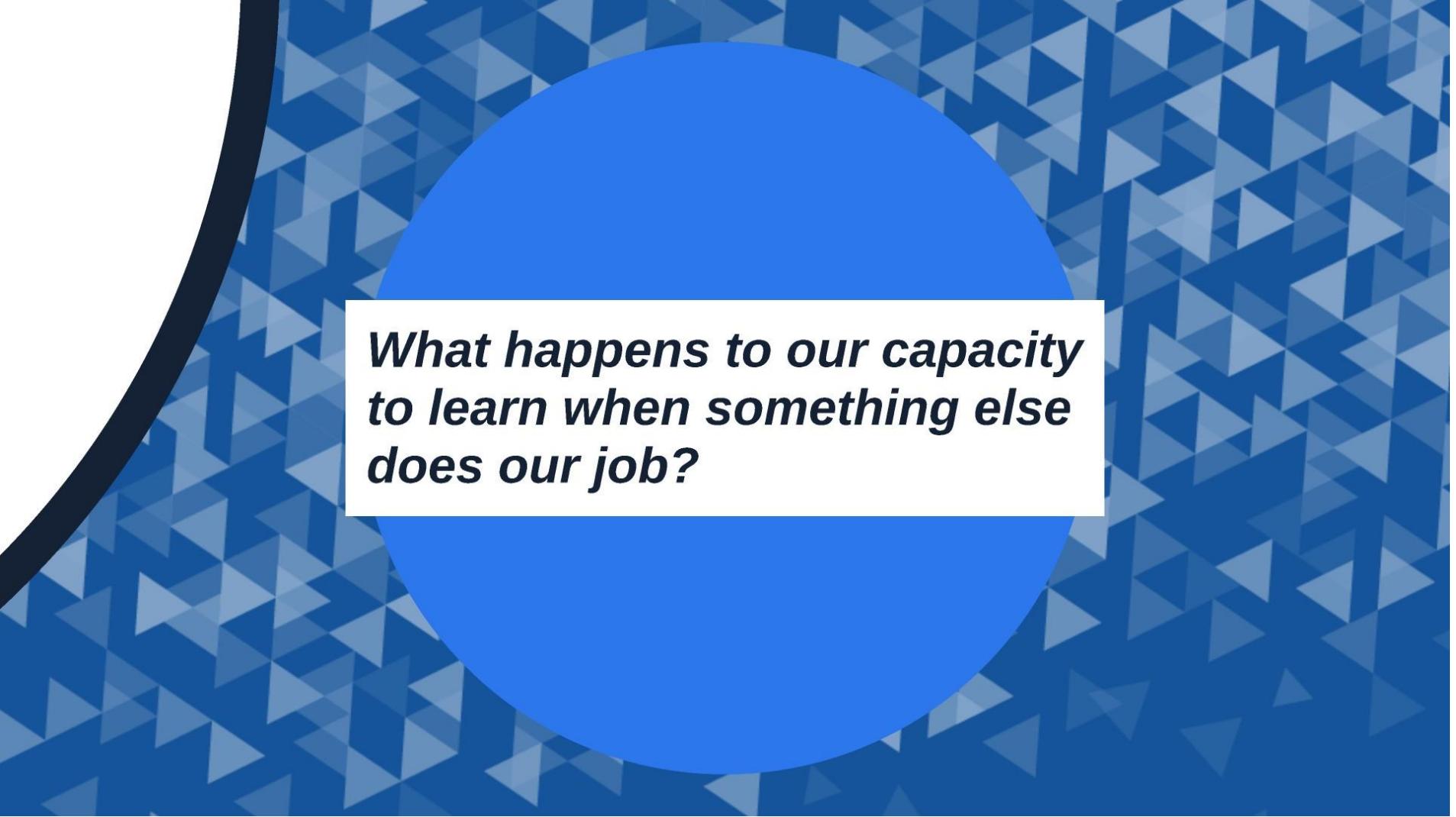


Digital technology in education

*An enormous amount of possibilities
but also a number of problems*







***What happens to our capacity
to learn when something else
does our job?***

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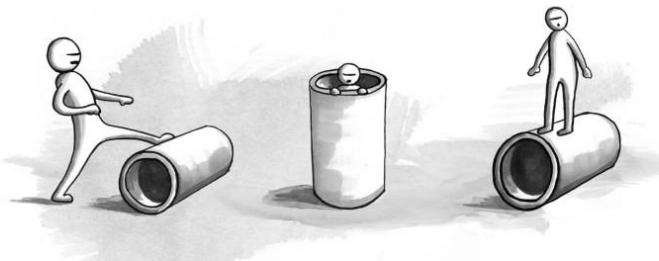
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Digital Technology Affordances to Education

(We do not use the possibilities
that digital technology affords us)



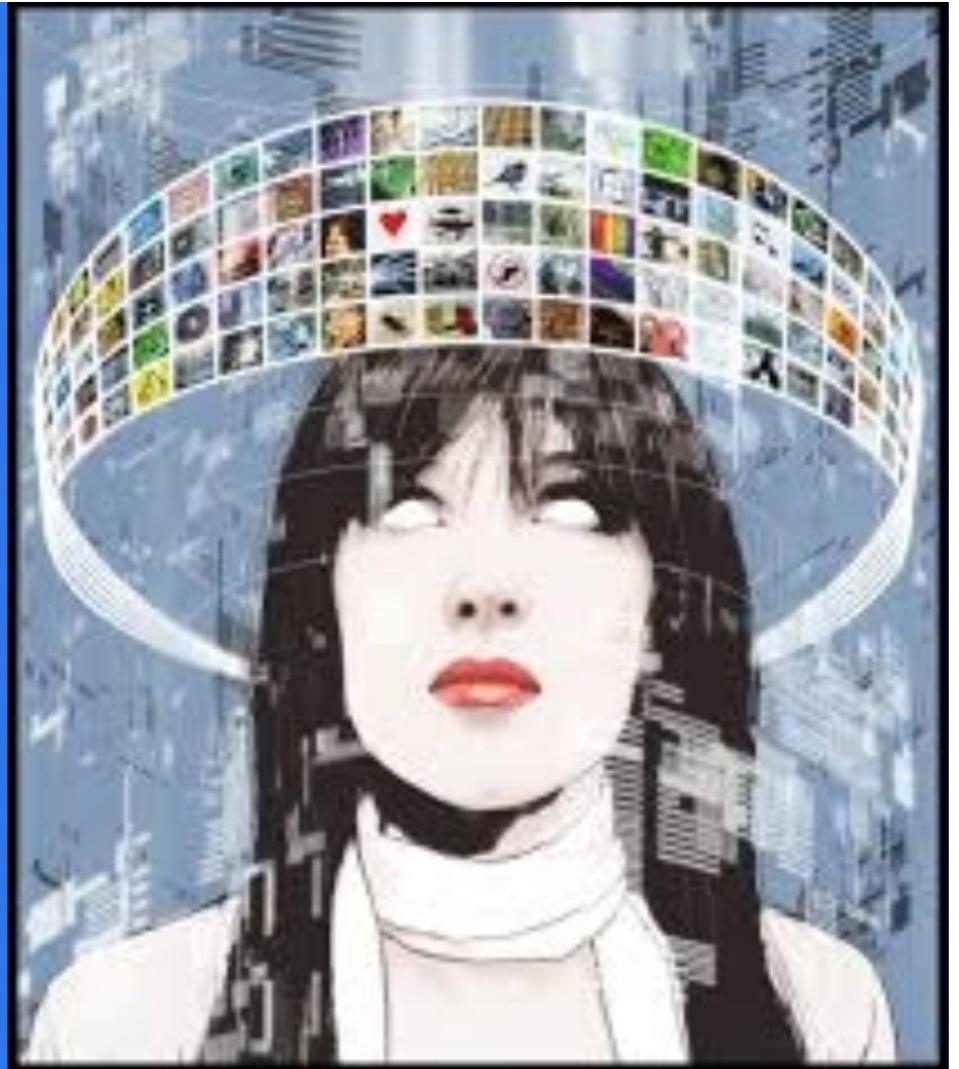
Which?

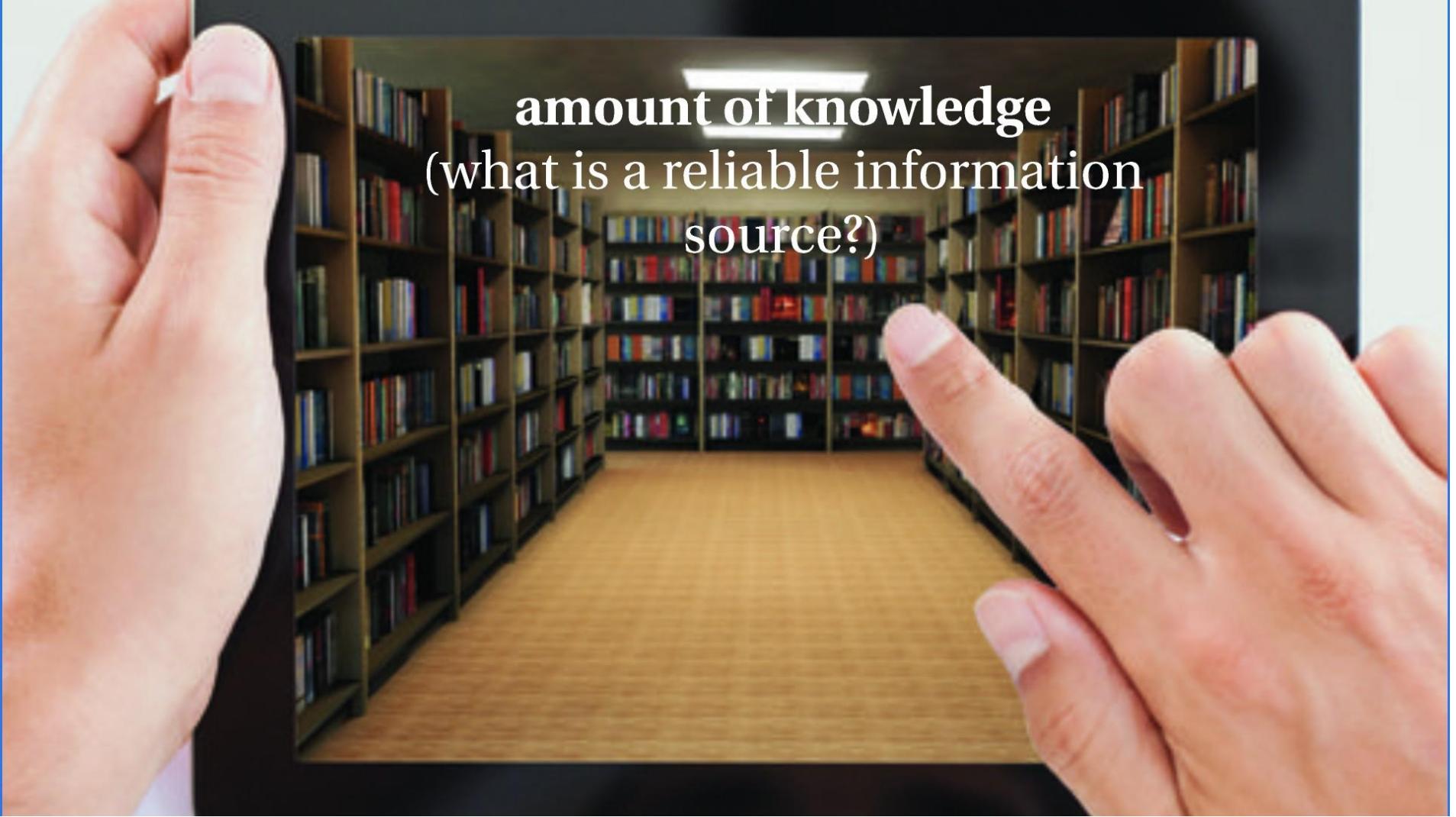
IoT

connectivity/networking/data



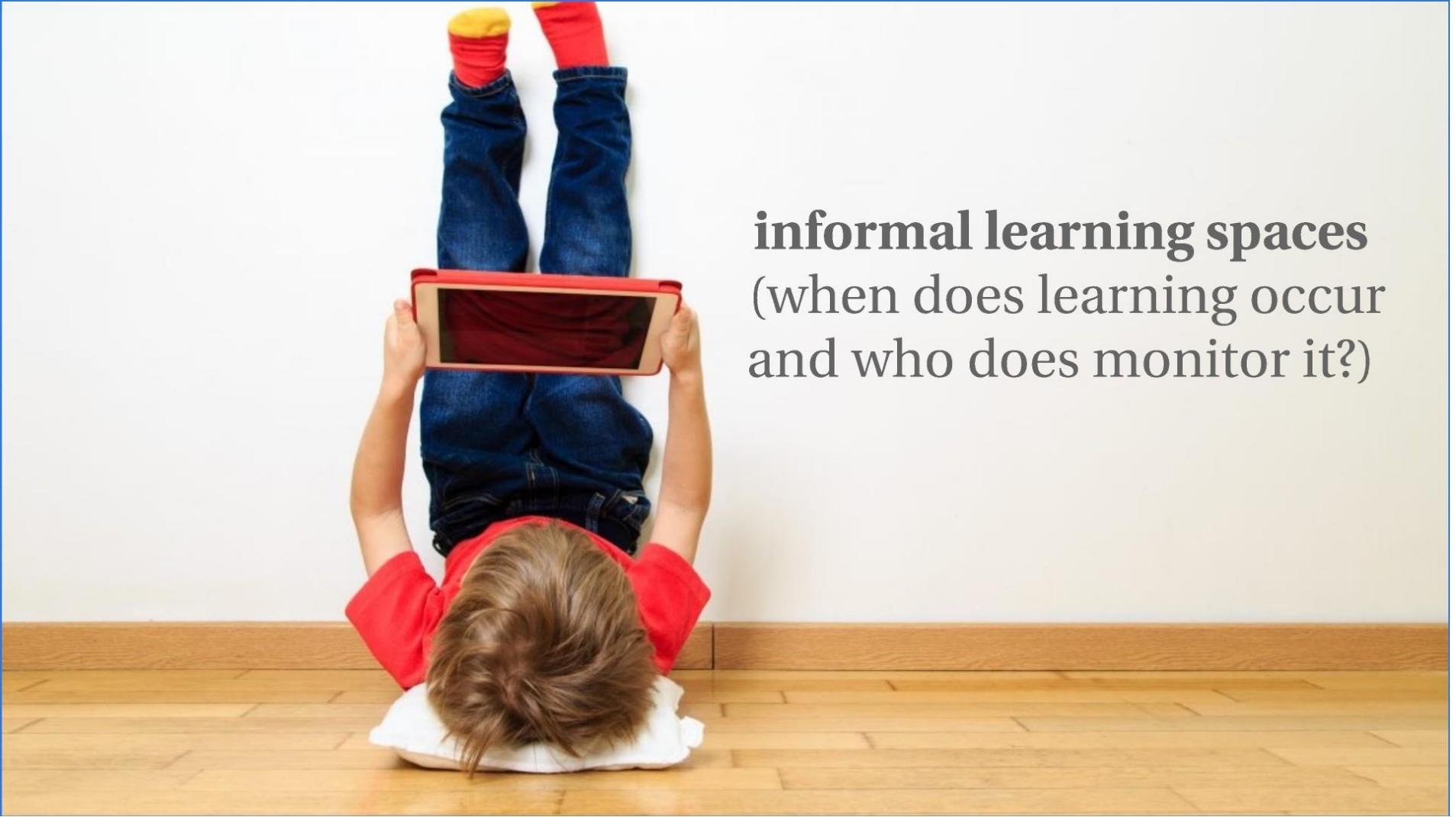
**how each of us access
knowledge**
(how do you integrate skills?)





amount of knowledge

(what is a reliable information source?)



informal learning spaces
(when does learning occur
and who does monitor it?)

Emerging Research and Trends in Interactivity and the Human-Computer Interface

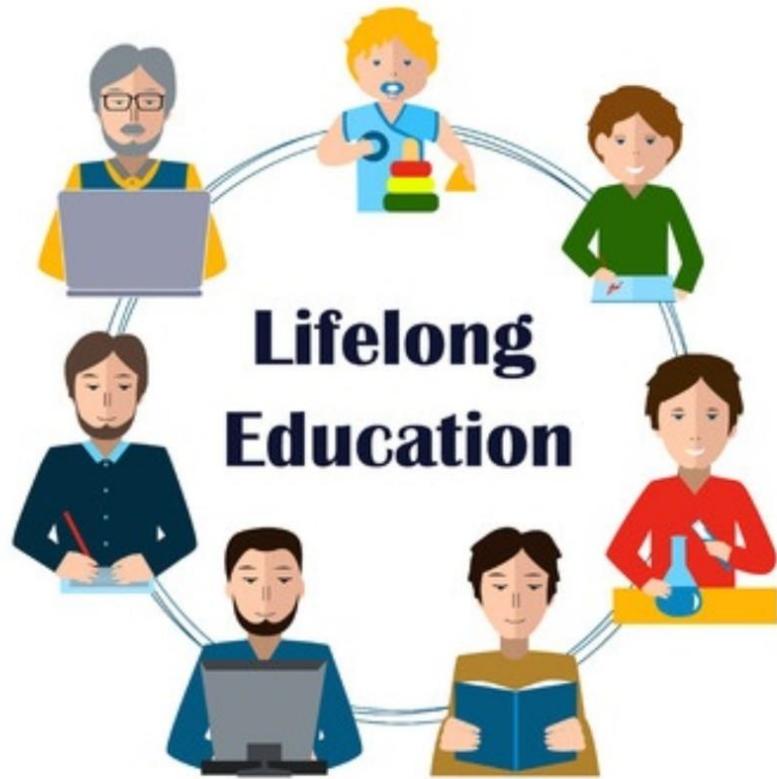
Part of the Advances in Human and Social Aspects of Technology Book Series



**interactivity and social aspects
(is it distracting?)**



digital examination
(more data and predictions...need for exams?)



life-long learning
(when, how, and what I
want, on my own terms)

implementation science

(a solid model leads to sustainable changes, also in schools)



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What can it look like?

In 50 years









Technology Integration for Education in the Future

How technology and data can harness the path of your professional career



Today, during the conference, you have witnessed how the future health professional develops a transparent career path through technology integration



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All conference participant you have done the meeting of Lihiit and Jemal professional career

You were informed to presentations about how education and training for the health professional is going to look like in the very near future

You also participated in workshops to go to deeper understand the new technologies and how learning can be developed and integrated with the educational and professional curricula

You also extended knowledge on how on to these video are made live and from digital cameras such as Panacon and Canon cameras and how these can be used to advocate personalized learning and professional

You also caught on how a recognized competence assessment system can simplify the work for the employee and the commitment to the patient

What happened to your digital portfolio after you participated at this conference?

Who will shape the education agenda in the future?

Individuals?

Who will shape the education agenda in the future?

The university?

Individuals?

Who will shape the education agenda in the future?

The university?

The government/municipalities?

Individuals?

Who will shape the education agenda in the future?

The university?

The government/municipalities?

Corporations?

Individuals?

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Visual Learning Analytics of Multidimensional Student Behavior in Self-regulated Learning

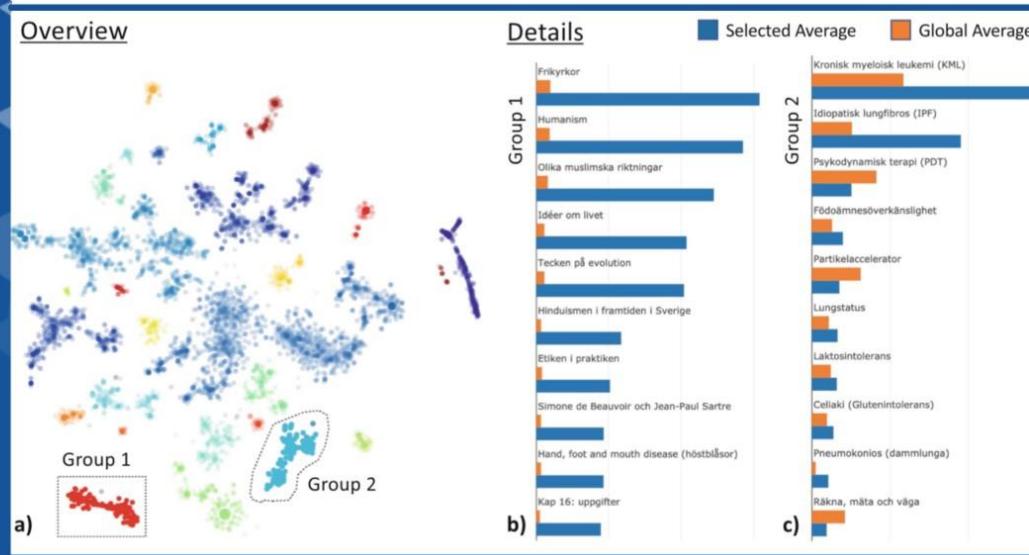
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Analytics

- *Visual analytics*
- *Visual learning portfolio*
- *Implementation studies*
- *Learning effectiveness*

- *Mix physiological, pedagogical, behavioral and analytics data to increase the evidence base*

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