





**The
technological
connectome**

Technologies don't just make us smart: they are part of our smartness



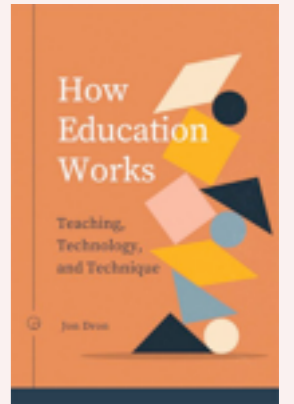
and technologies make more
technologies possible



The adjacent possible

The image features a central white circle containing the text "The adjacent possible" in a bold, black, sans-serif font. This central node is connected to a network of smaller nodes and branching structures. The nodes are represented by circles of varying sizes, and the connections are thin black lines. Some nodes are further connected to smaller, more intricate branching structures that resemble dendrites or neural networks. The overall layout is radial, with the central node at the core and the network expanding outwards. The background is a light, textured grey.

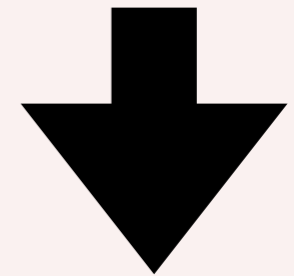
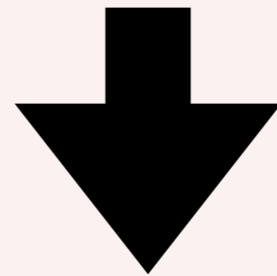
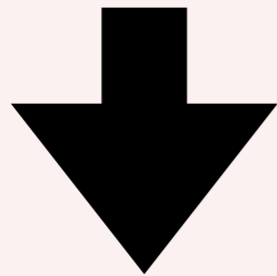
Technology (noun and verb):



W. Brian Arthur:

Arthur, W. B. (2009). *The Nature of Technology: What it is and how it evolves*. Free Press.

The orchestration of phenomena to our use



me:

organizing stuff to do stuff





**What does it mean to
use a technology?**



Using a technology *is* a technology

Technique: what we do with what has been done



Soft technique



Hard technique



creativity < — — > skill

We are the orchestrators



hard

soft

we are part of the orchestration

t'ain't what you do



What is education for?



Education

1) A technology through which we learn to operate the technologies of our cultures and societies



2) A technology through which we form identities, attitudes, values, ways of thinking, ways of relating to others, ways of being

The new kid in the technological connectome



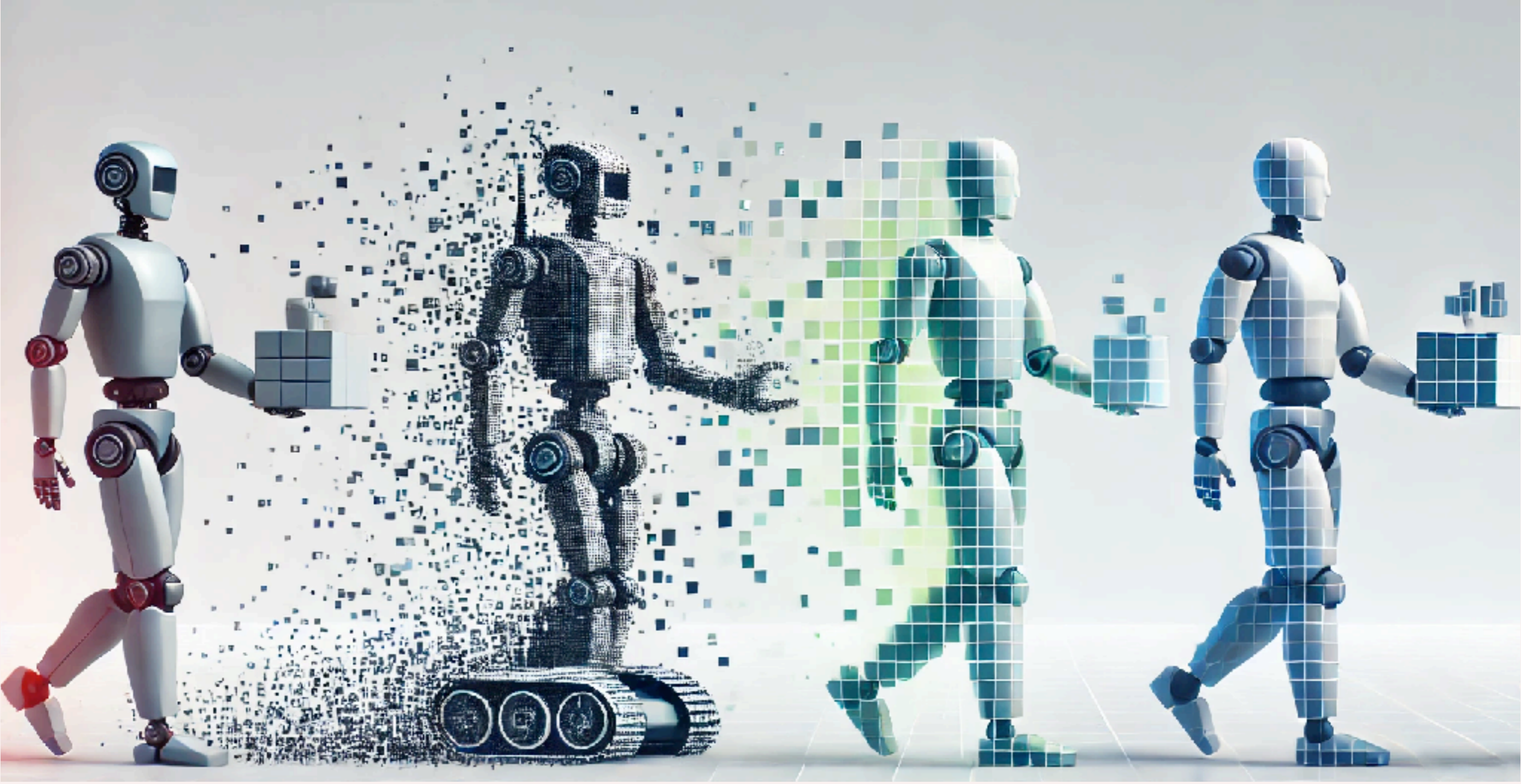


Concerns





Coarse grain cognition

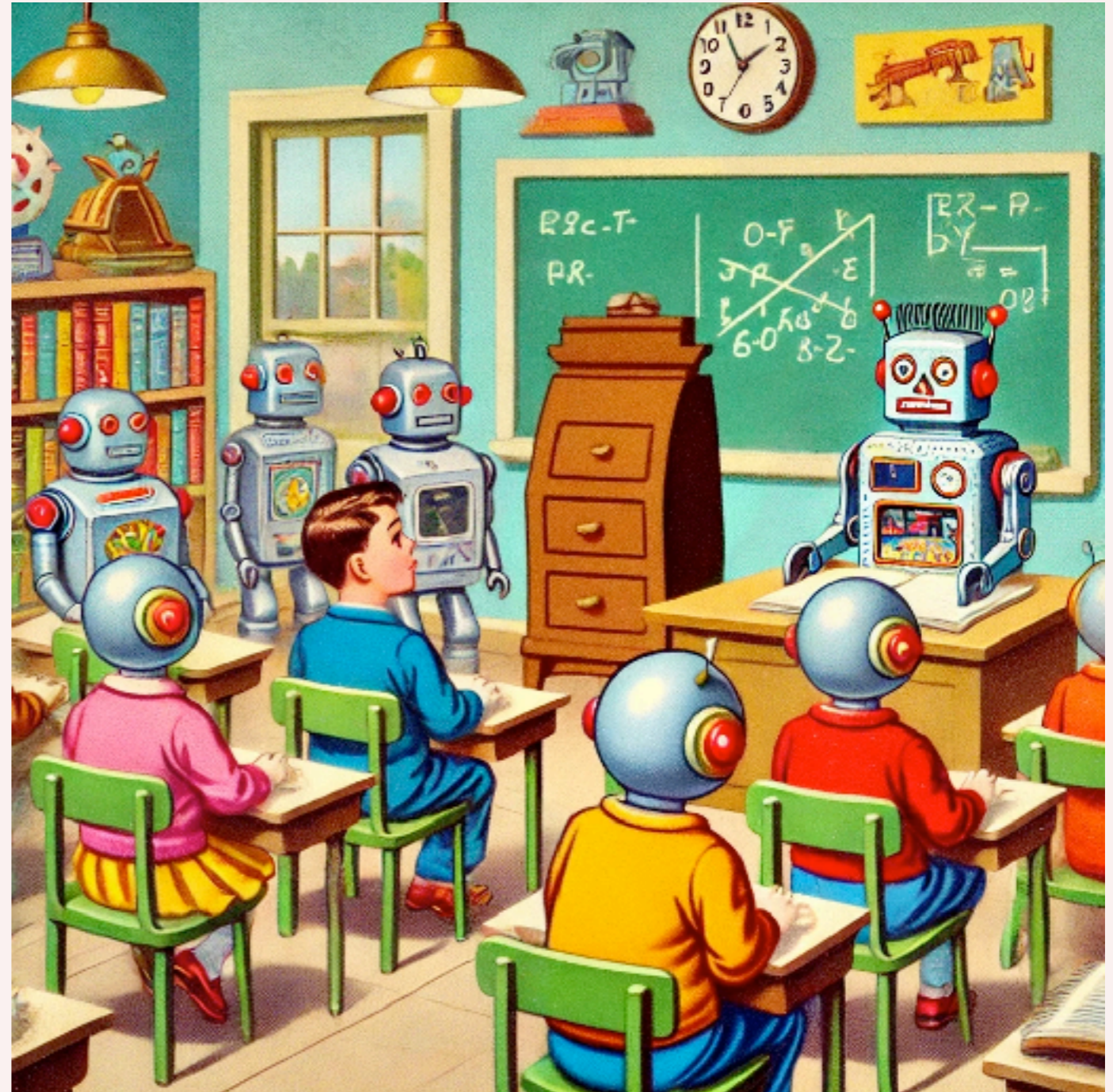


Collective model collapse



No “they” there

Learning to be human



What should educators do?





**Generative AI
can already
teach the explicit
curriculum
better an
average human
teacher.**

But what do children learn from stories?





**How to do stuff
correctly**

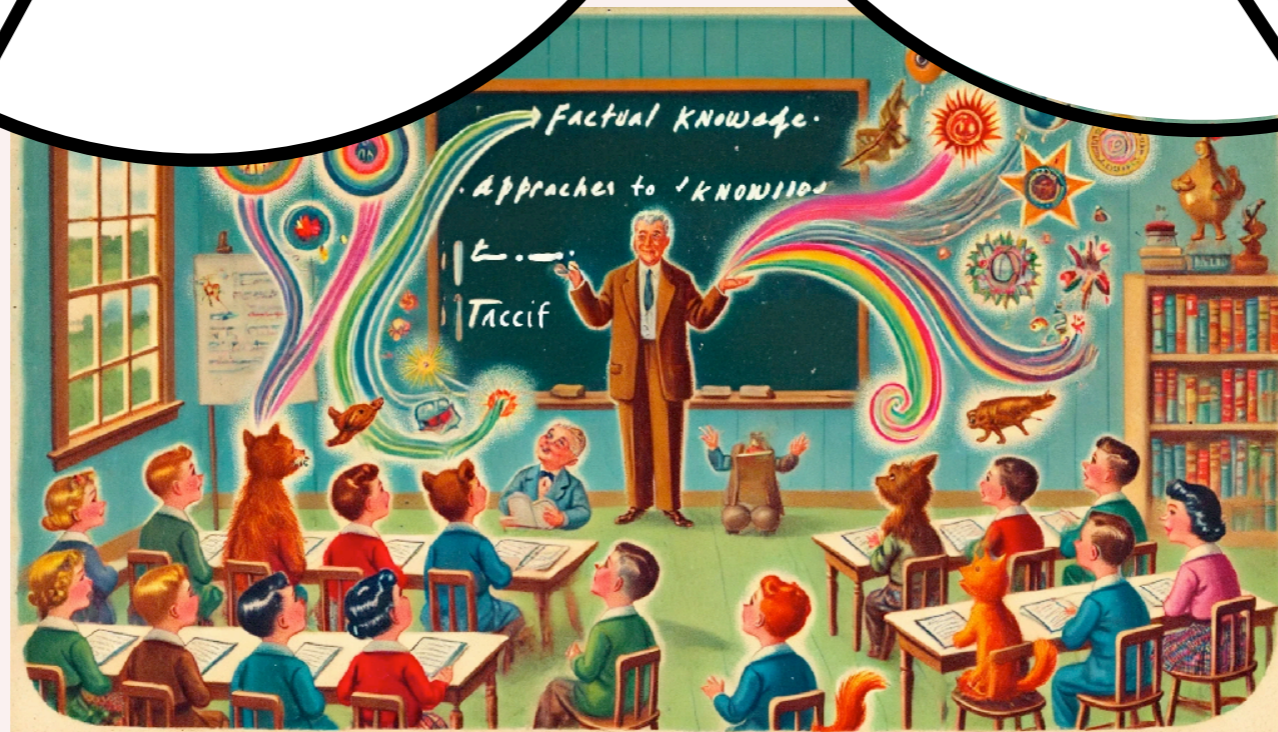
Education

**How to be
human**

**the explicit
curriculum**

**the tacit
curriculum**

**genAI already
learns and
teaches this
better than most
humans**

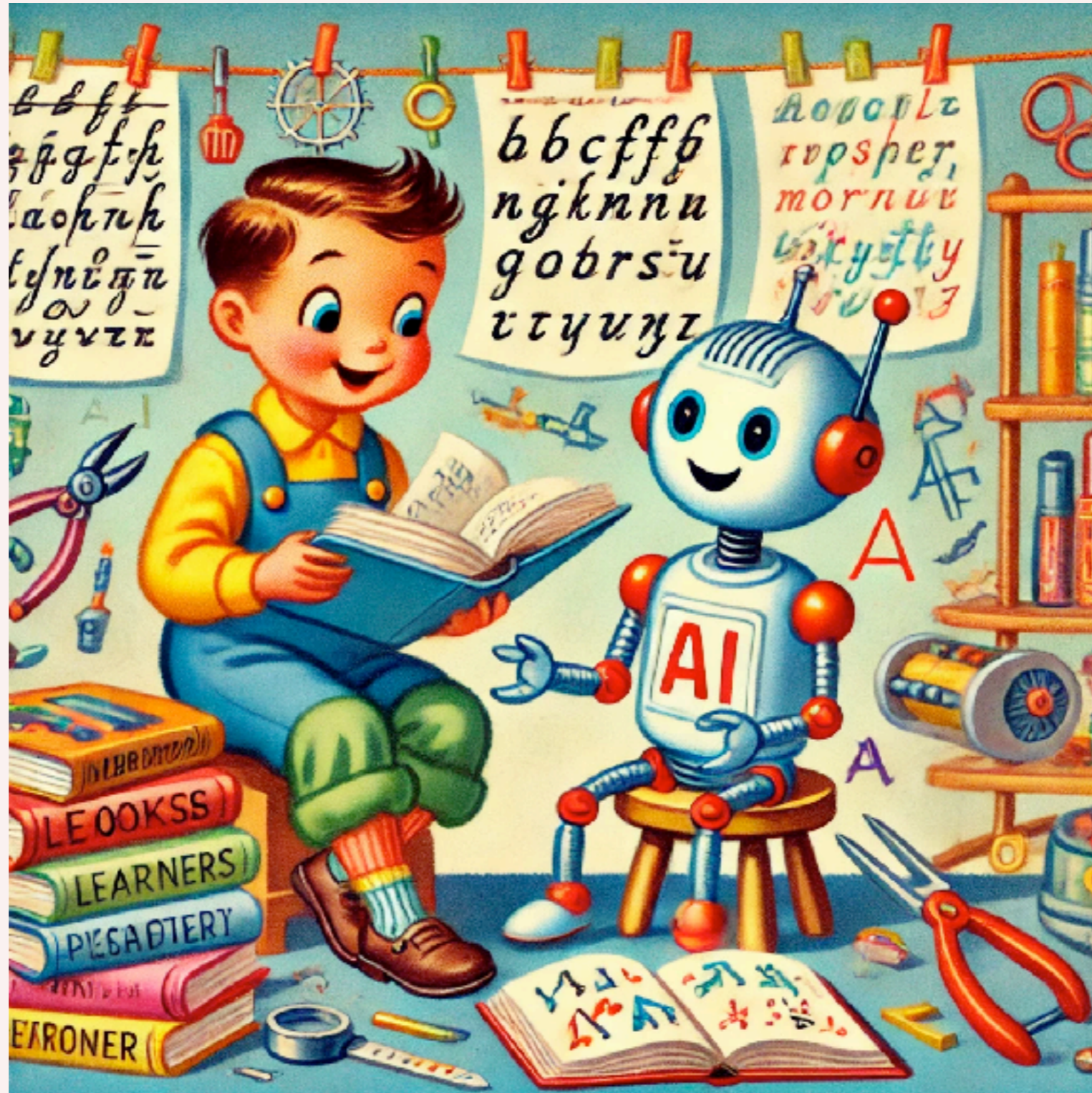


**We learn this
*whether the
teacher is AI
or human***

Better teachers, not better teaching methods



Partners, not tools





Focus on community

Celebrate being together





Everyone a teacher

Share





Populate online spaces



**Valorize
diversity**



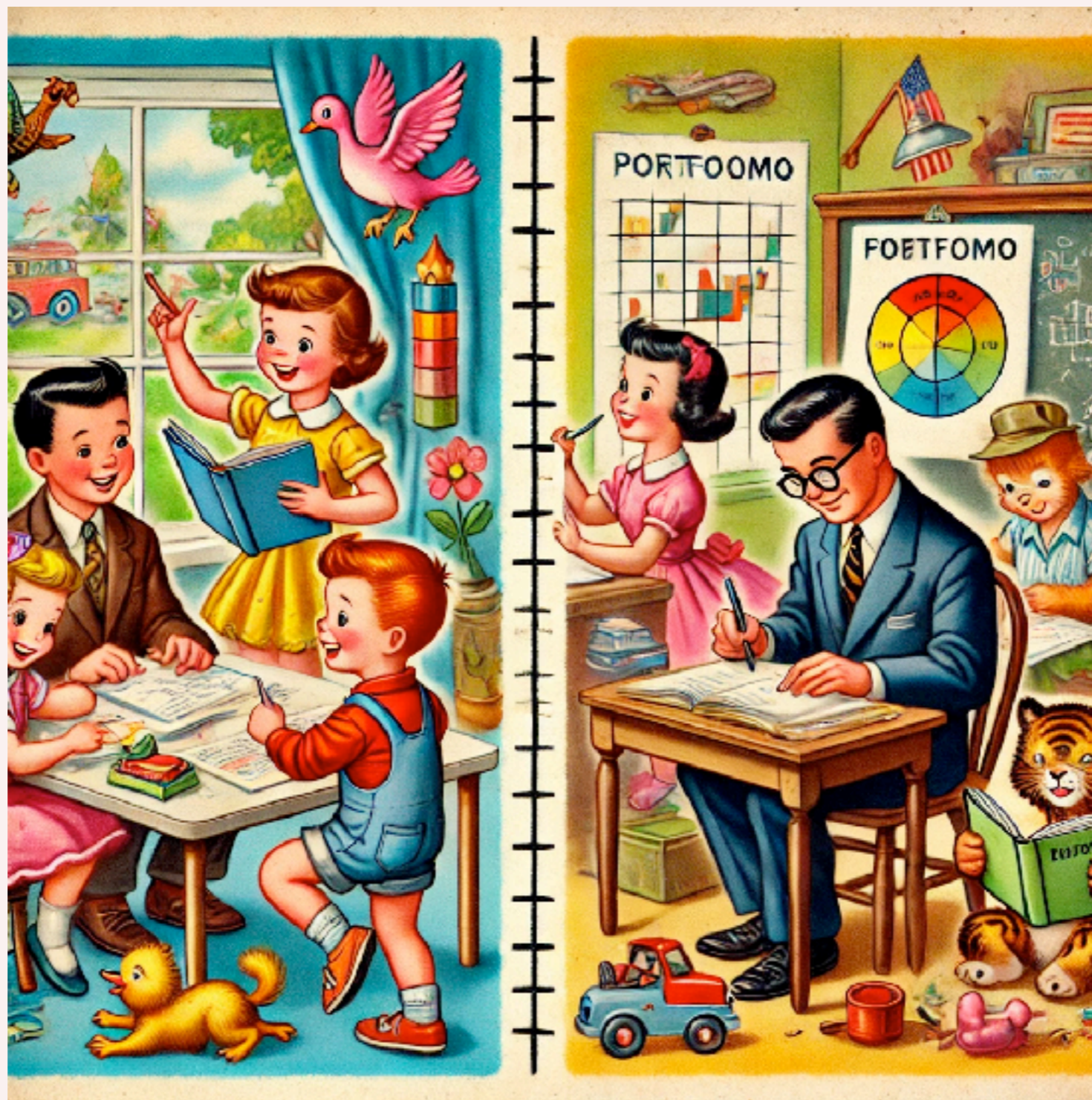
**look for learning, not just
its products**

Support risk, cherish failure





**harvest, don't measure
learning outcomes**



Decouple learning and assessment

Support meaningful challenge





Model ways of learning

Be curious, and tinker





Practice teaching



Compassion and care



Passion





grasp

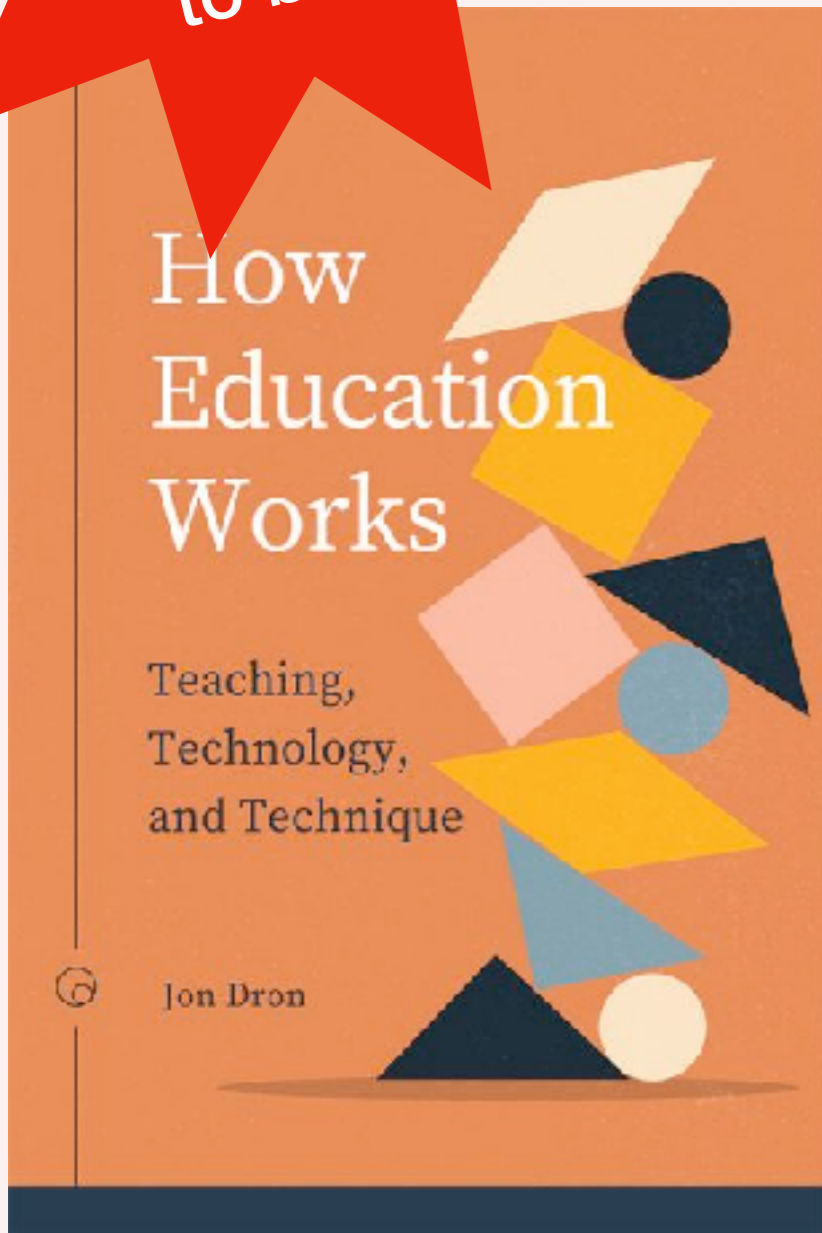
adjacent

the

possible



Free to read,
inexpensive to buy!



Thank you



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