

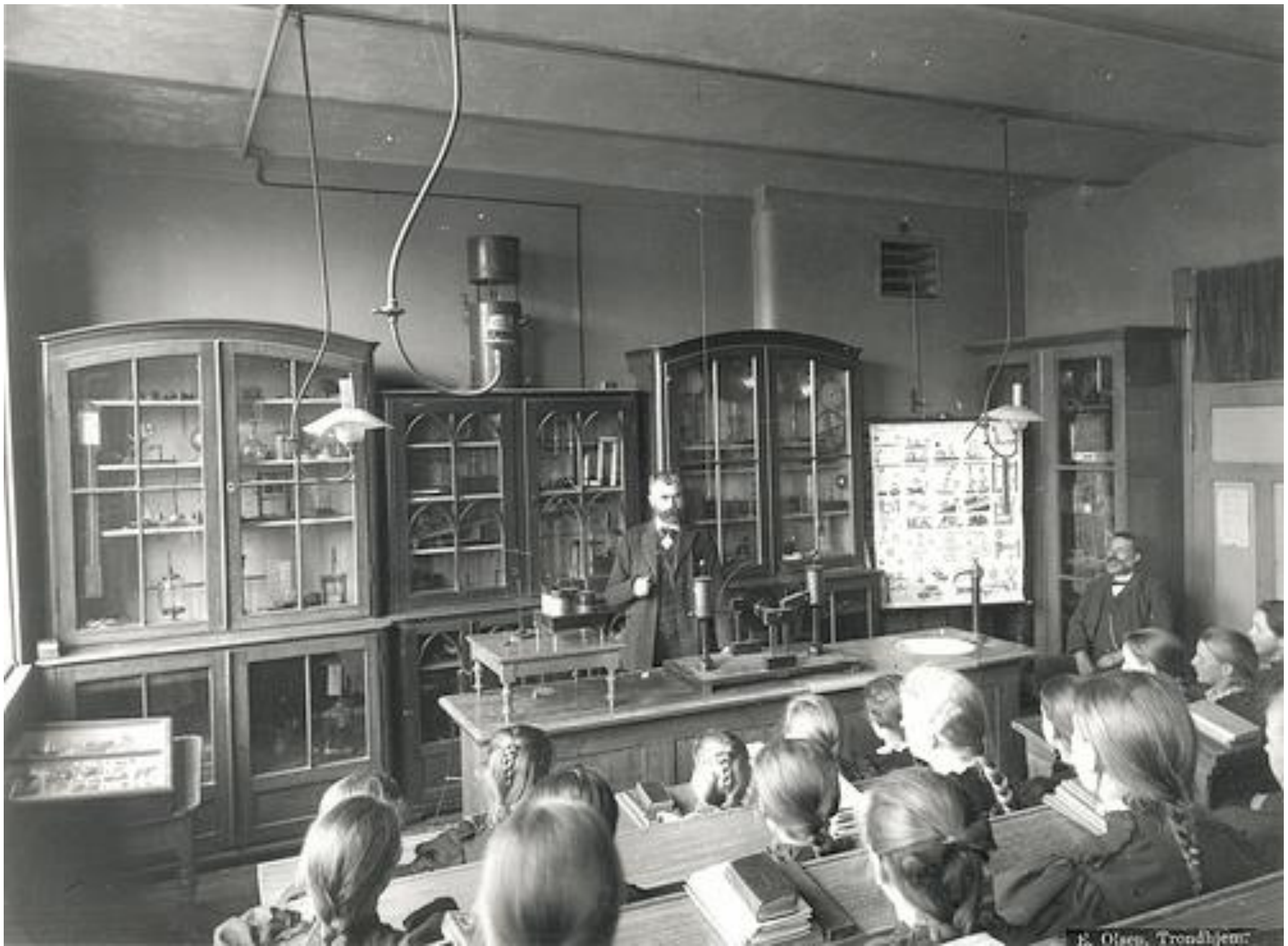


Teachers matter, their key role in education

Javier Tourón



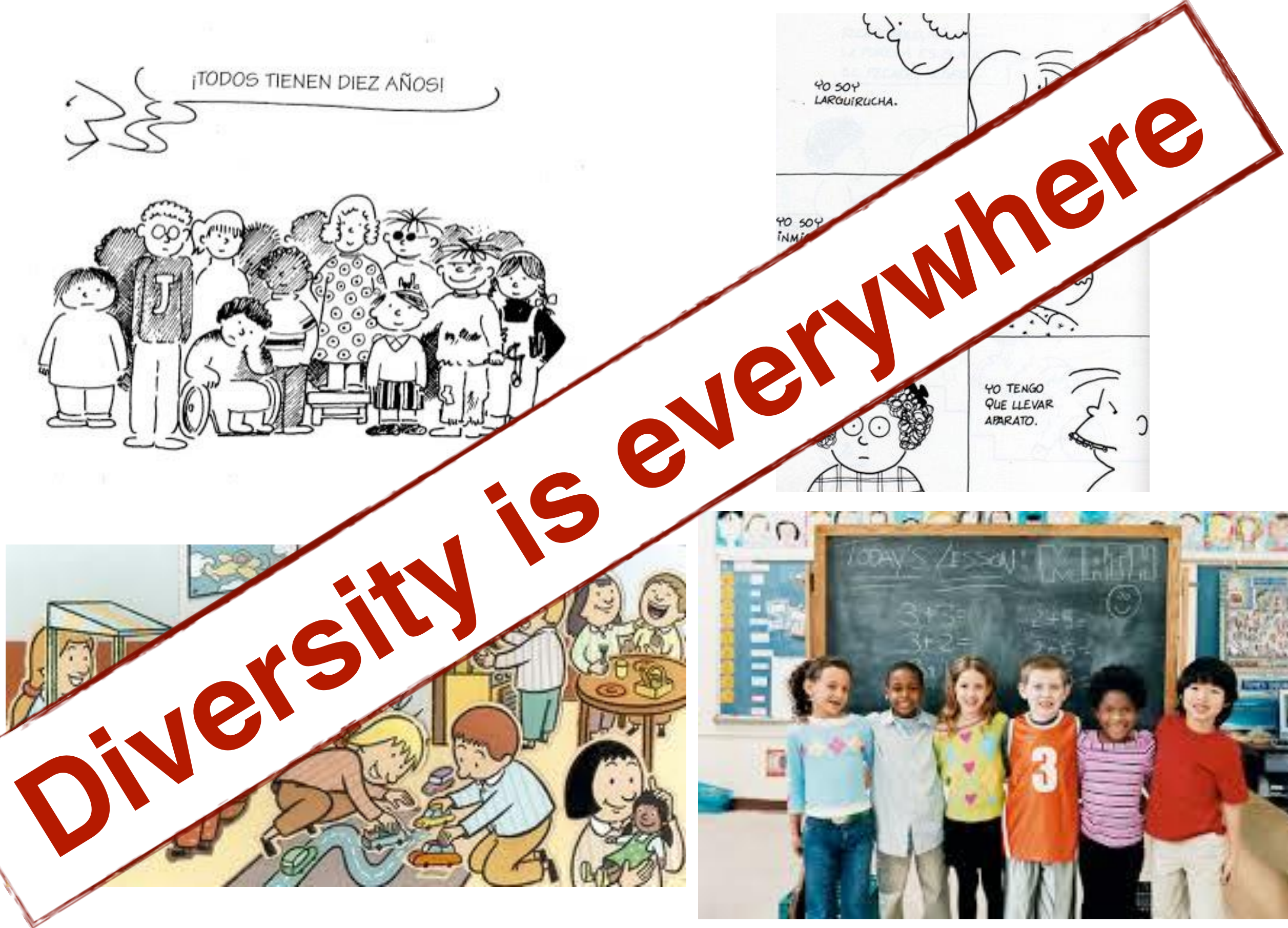
Another school is possible... it has to be!



Same message for all the students at the same time...



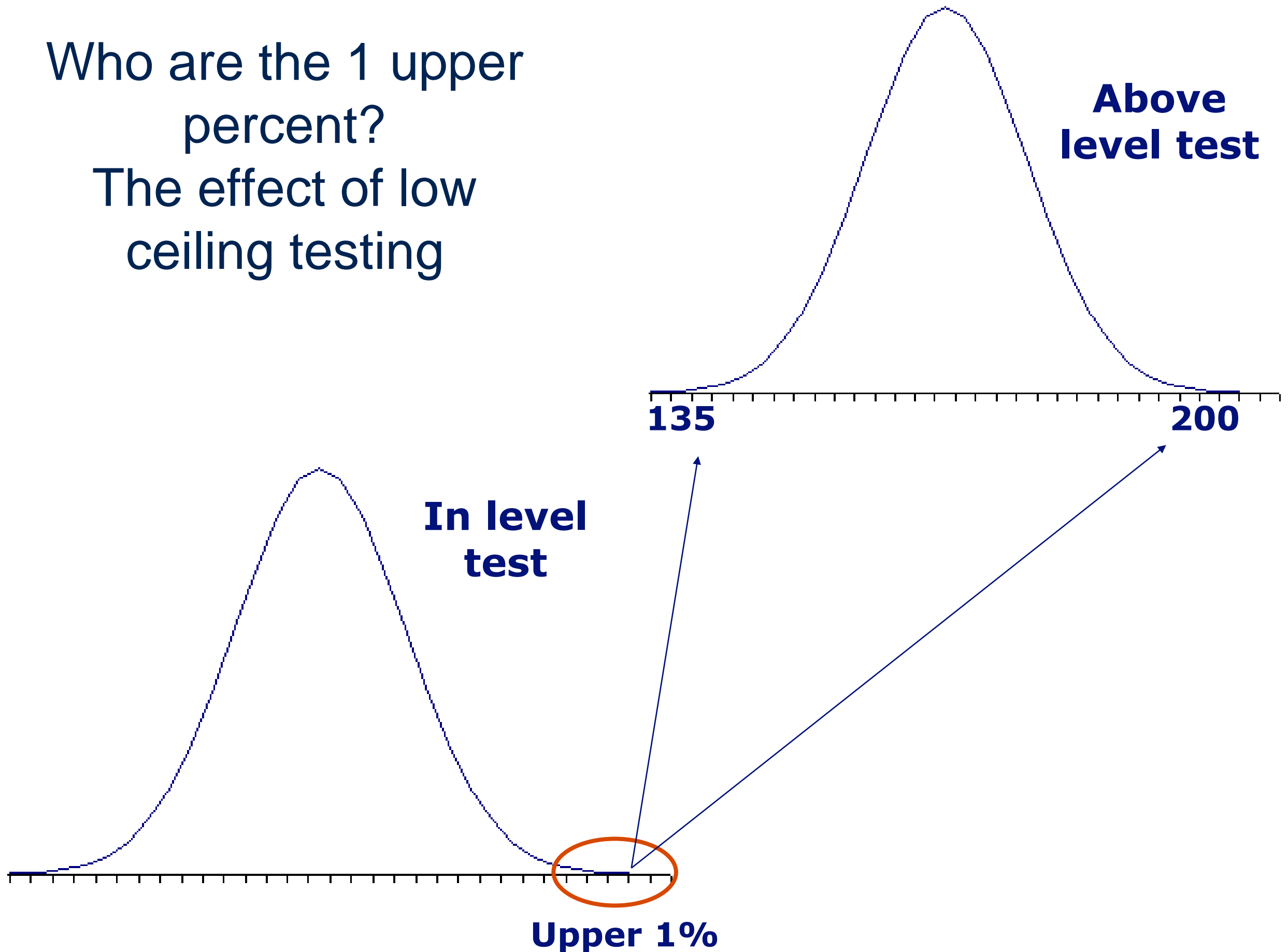
All do the same things, at the same time, in the same way...



But they are only equal in their age... and nothing else!

Who are the 1 upper
percent?

The effect of low
ceiling testing





Because of this, they need do different things at the same time
Teachers' role is no longer “the sage on the stage”



But “the guide on the side”, what means more time for face-to-face interaction



Students can and are able to do more things than just listening

One size fits all is unrealistic... variation is everywhere!

Same age students do not always wear shoes of the same size

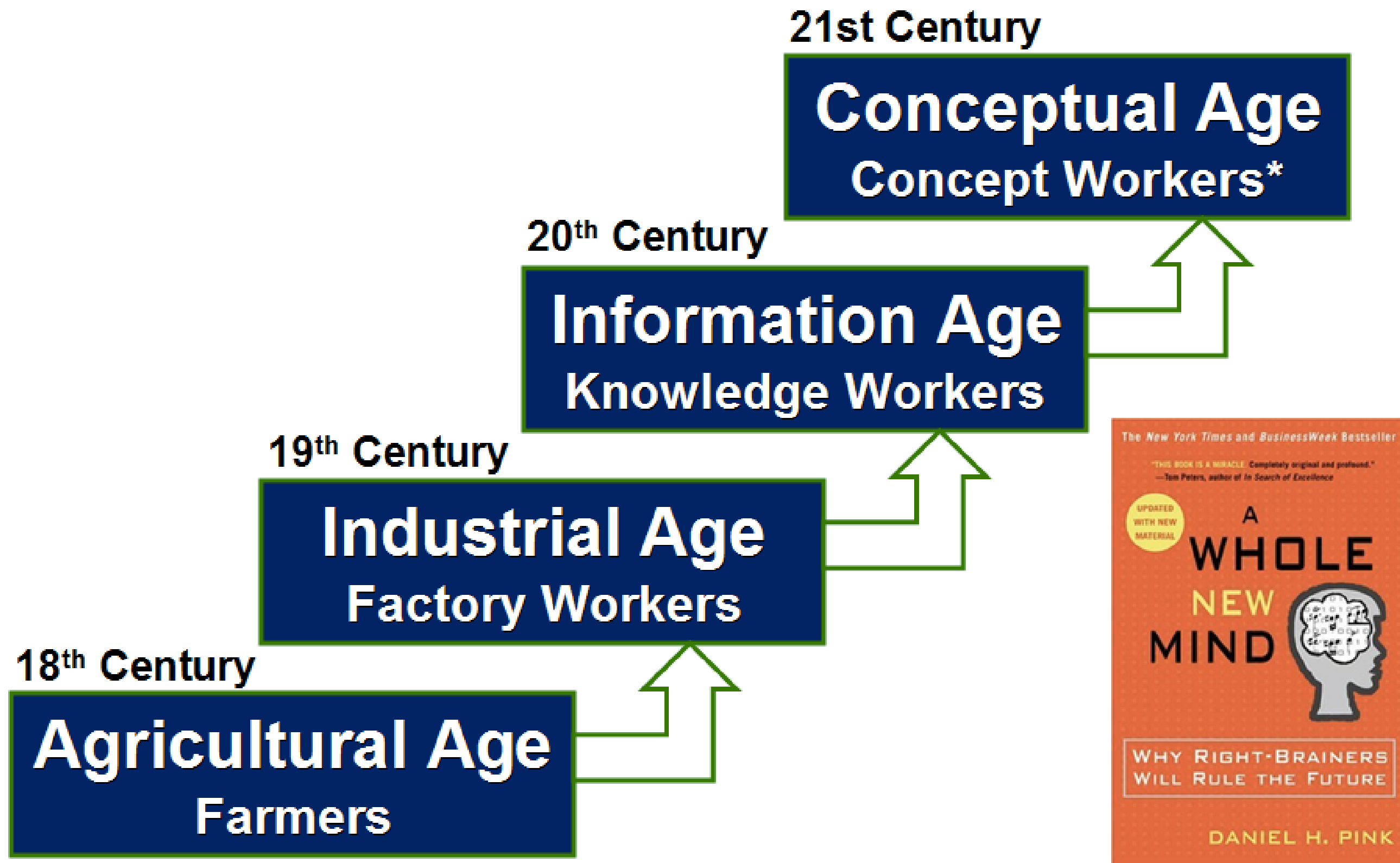
We need an ability-based School (as it was in the past)
not an age-based one (as it is nowadays)

“The good school, as I have suggested, does not diminish individual differences; it increases them. It raises the mean and increases the variance”
(Eisner, 1999, p. 660)

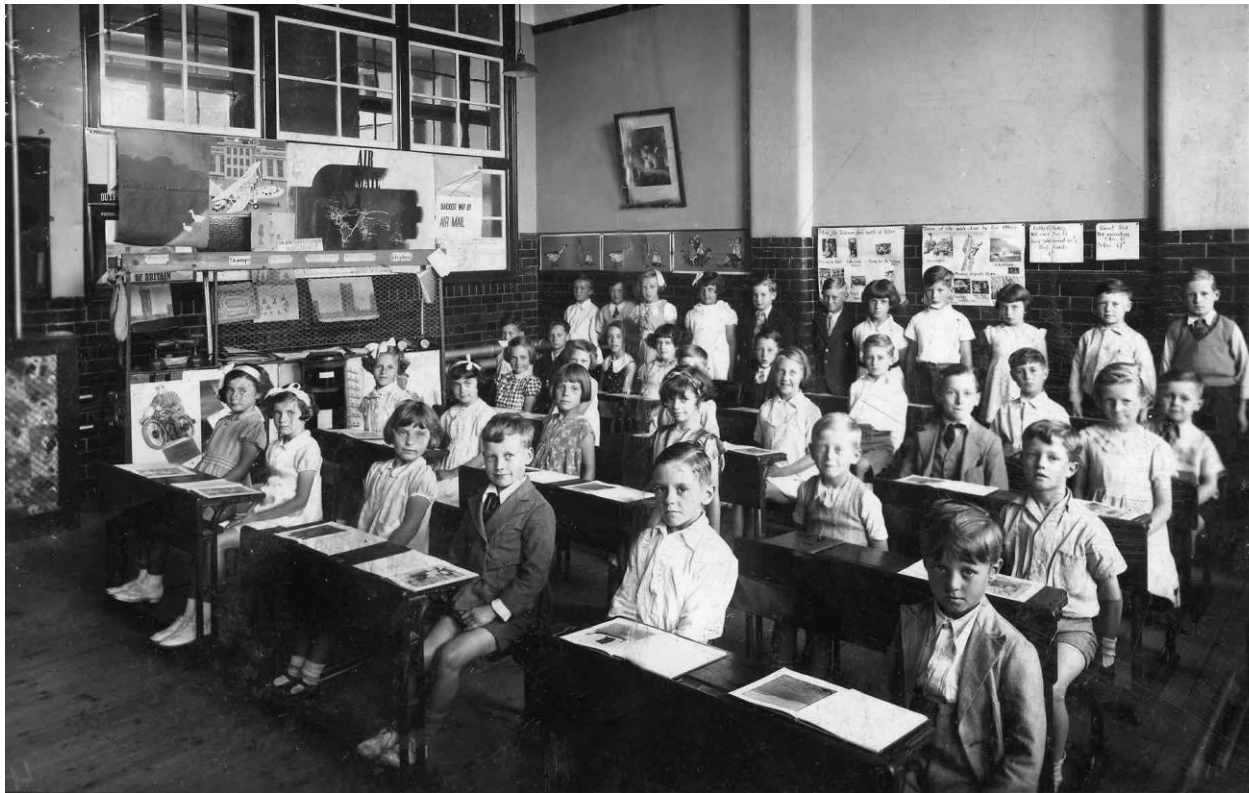
**The good school has to
promote equity not equality**

Aristotle (Politics, 1280a):

"Justice is thought to be, and is, equality - no however, for all, but only for equals. And inequality is thought to be, and is, justice; neither is this for all, but only for unequals"



"School can no longer remain what it was, neither can learning (...) because society and the world of work are also different from those of just a few decades ago. (...) does the school and the other educational institutions do so in order to maintain their functionality? Is your capacity for adaptation and, ideally, anticipation the expected? The answer is in sight. From the foreword of **" The Flipped Learning: a gamified guide for novices and not so novices "**



Learning Today Means...

CRITICAL THINKING AND PROBLEM SOLVING

Reason Effectively
Use Systems Thinking
Make Judgements and Decisions
Solve Problems

COMMUNICATION AND COLLABORATION

Communicate Clearly
Collaborate with others

BASIC LITERACY

VISUAL LITERACY

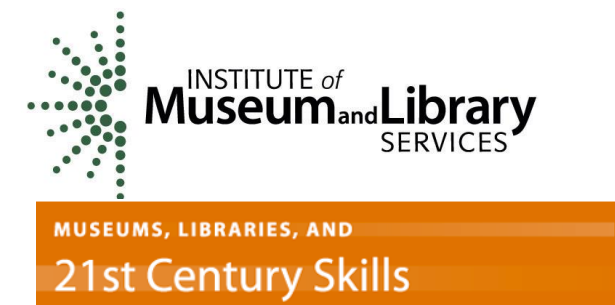
CREATIVITY AND INNOVATION

Think Creatively
Work Creatively with Others
Implement Innovations

CROSS-DISCIPLINARY THINKING

SCIENTIFIC AND NUMERICAL LITERACY

Source



TRADITIONAL TEXTBOOKS



TRADITIONAL COMPUTER- BASED INSTRUCTION



PERSONALIZED LEARNING



Age

School based on

Competence

Teaching centered

Learning centered

Poor attention to individual students

Attention to individual student needs is maximized

Same curriculum for all:

- Difficulty
- Delivery speed, same for all
- Same challenge level
- No attention to differences

Different curricula:

- Difficulty
- Delivery speed adapted to ability
- Challenge level adapted
- Attention to differences

REPRODUCTION MODEL

Learning is passive and self-contained

PERSONAL TALENT DEVELOPMENT MODEL

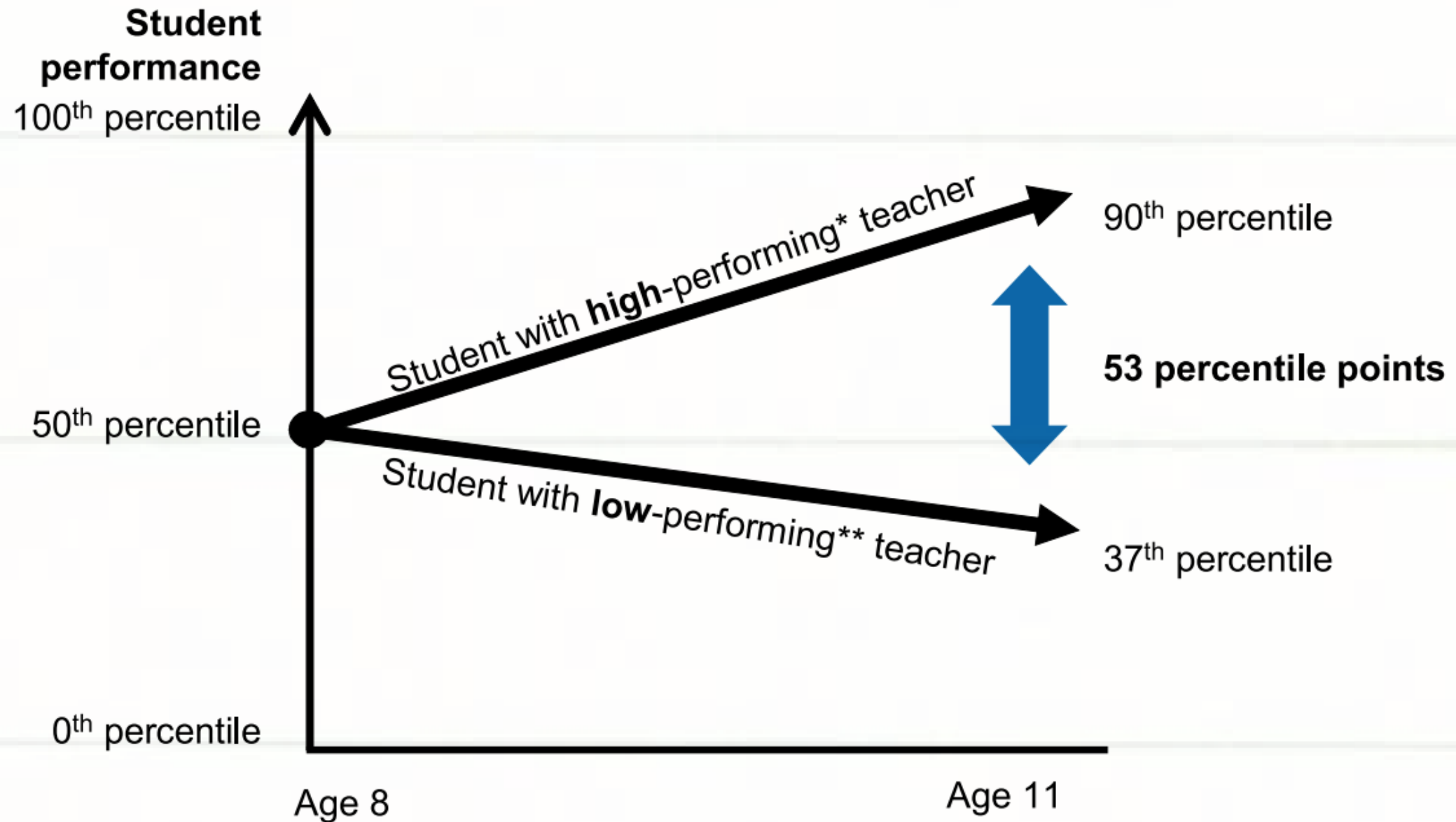
Learning open and active

How the world's best-performing school systems come out on top

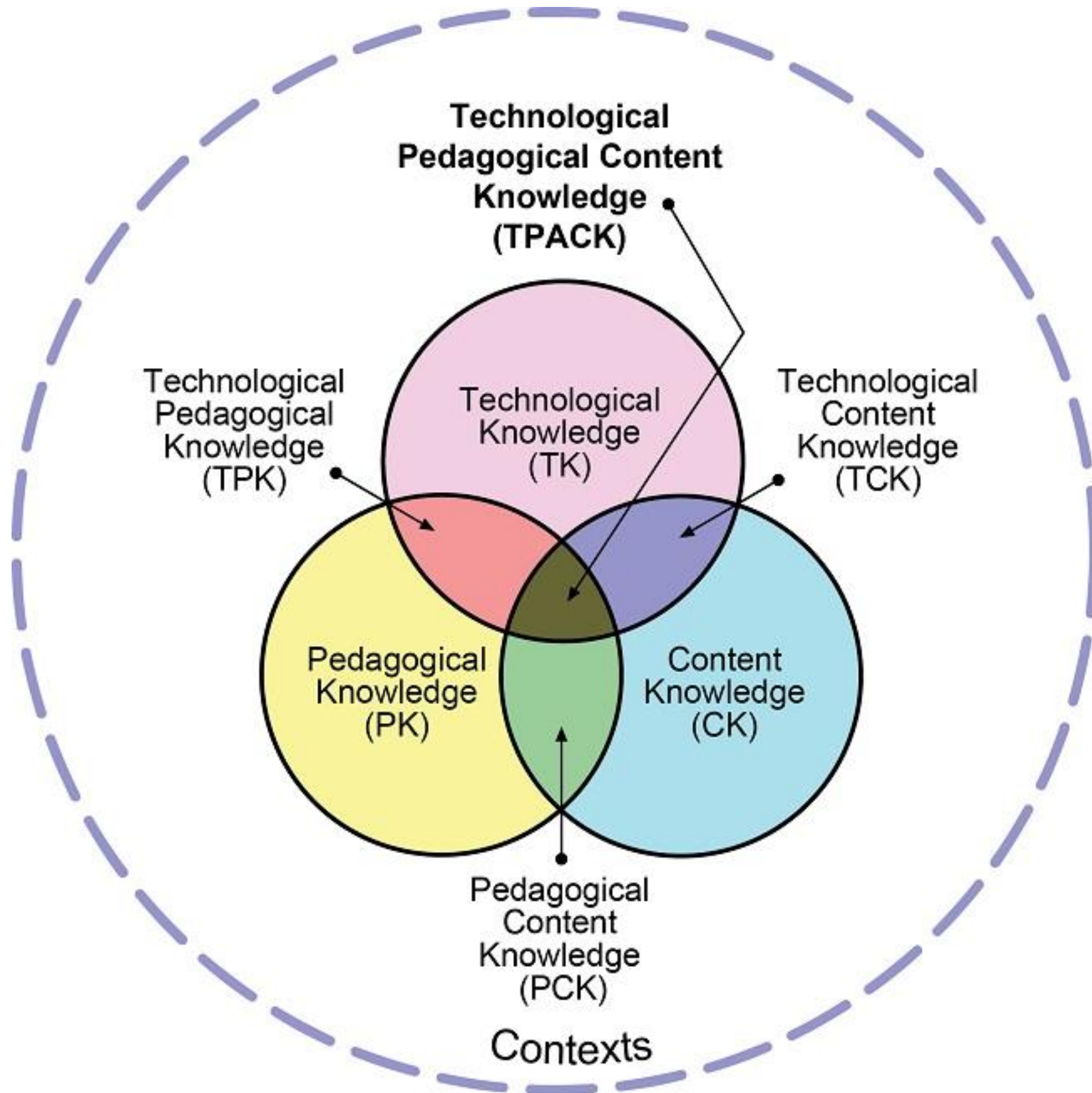
September 2007

McKinsey & Company

Exhibit 5: The effect of teacher quality



“The quality of an education system cannot exceed the quality of its teachers”



I FACILITATE THINKING.
I ENGAGE MINDS.
I LISTEN TO QUESTIONS.
I ENCOURAGE RISK.
I SUPPORT STRUGGLE.
I CULTIVATE DREAMS.
I LEARN EVERYDAY.

I TEACH.



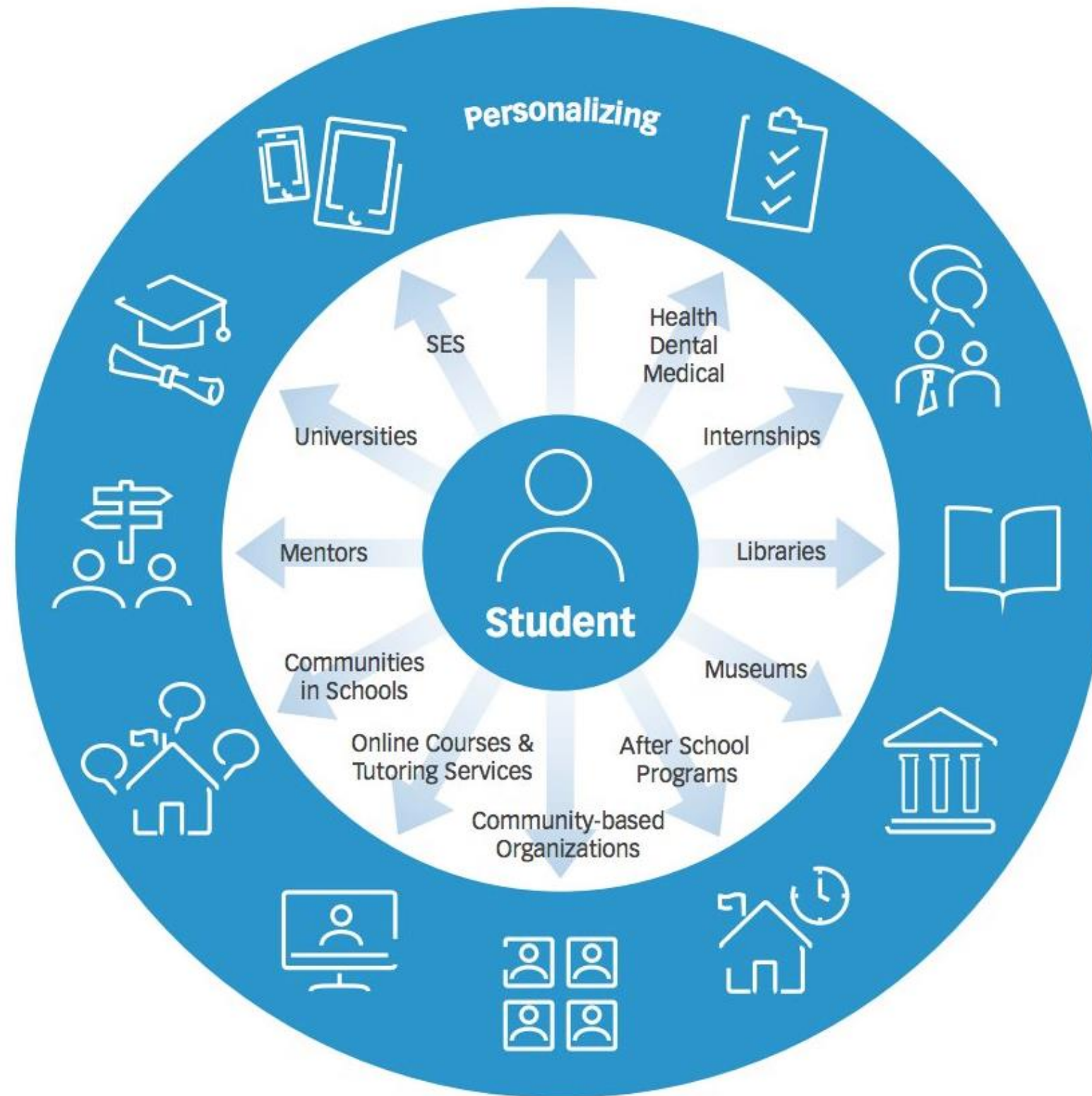
It is time to re-think the education we wish at our schools:

How do we cater for talent development?

Do we conceive the school as a place for teaching or as a learning center?

We need to make a wise use of technology to transform our schools into Talent Development Environments

Organizing Learning Resources Around Students



Learning Environments Designed Around
Student Access to Services

Image source: INACOL



If we teach
today's students

as we taught
yesterday's,

we rob them of
tomorrow.

John Dewey

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