### TO PISA OR NOT TO PISA - THE EDUCATION WORLD

MR. PETRI ILMONEN, DEVELOPMENT MANAGER, FAIDD



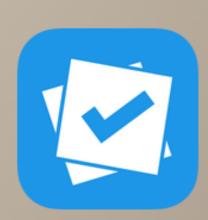


START VOTING
LIFT YOUR
PLICKER-CARD

HAVE YOUR
ANSWER'S
LETTER
ON THE TOP!







Plickers



Live View updated

I am less interested of

- A Education in Eu
- **B** ICT in Edu
- C Apps that work
- No sleeping



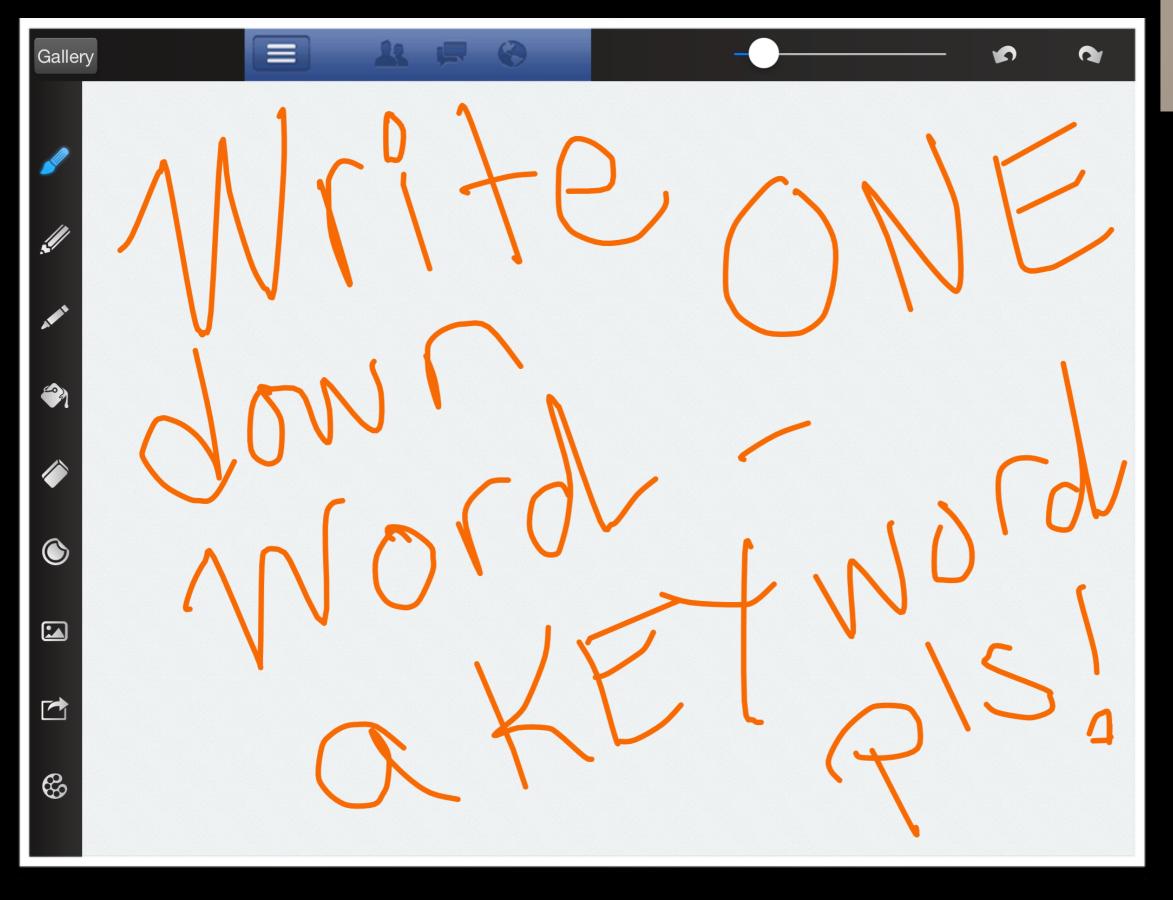






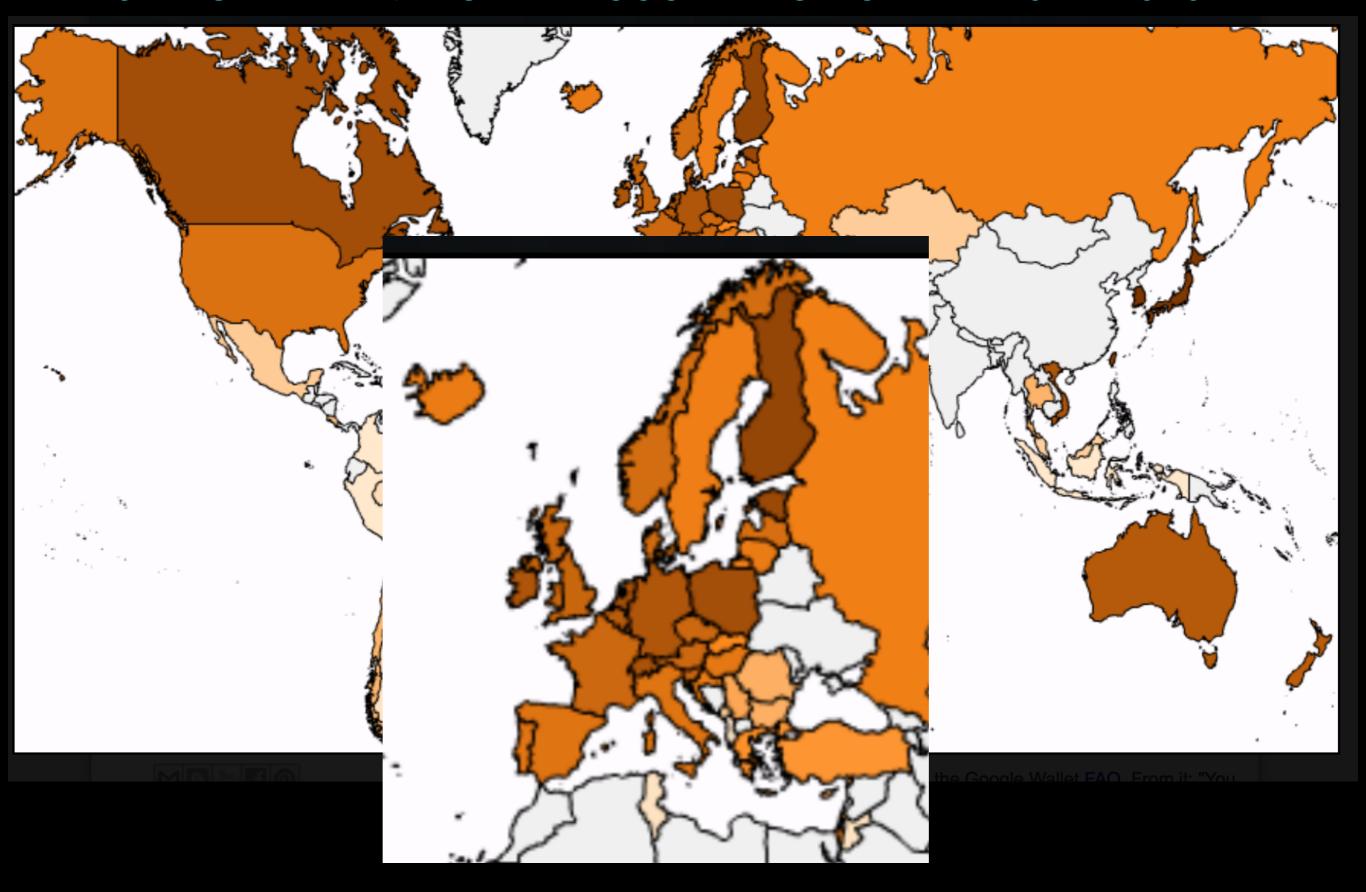
### ACTIVATE YOUR FINGER - USE DRAW FREE -APP





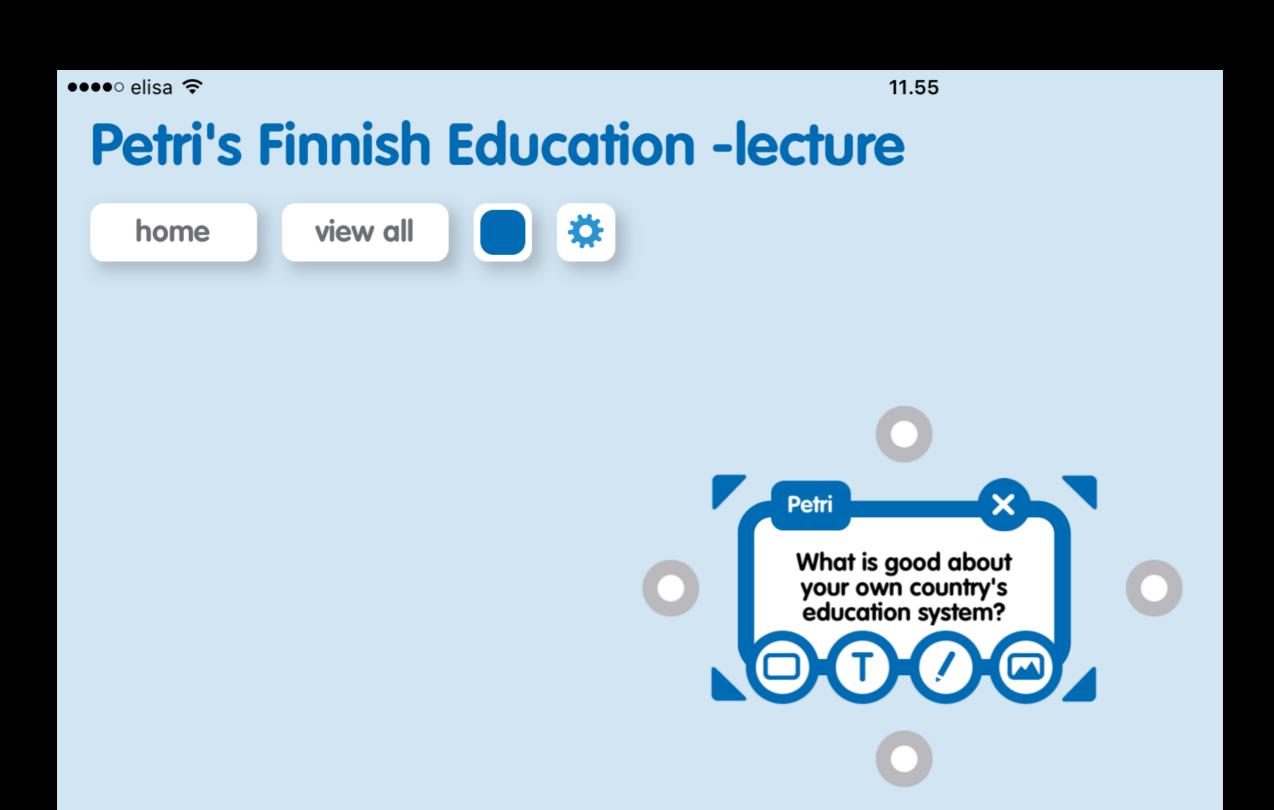
# WHAT IS GOOD IN YOUR EDU. SYSTEM? Draw Free

### RULING THE ED. WORLD ACCORDING TO THE PISA TESTS

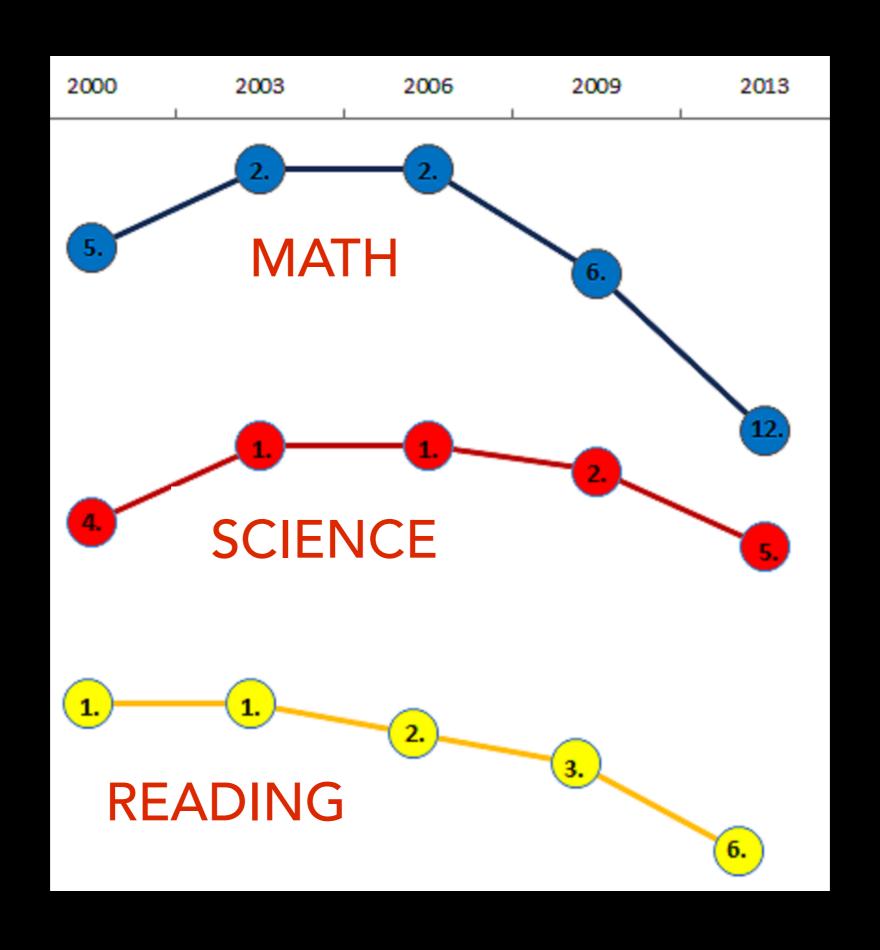


Source: OECD..COM





### 13 YEARS OF PISA - THE RANKING OF FINLAND

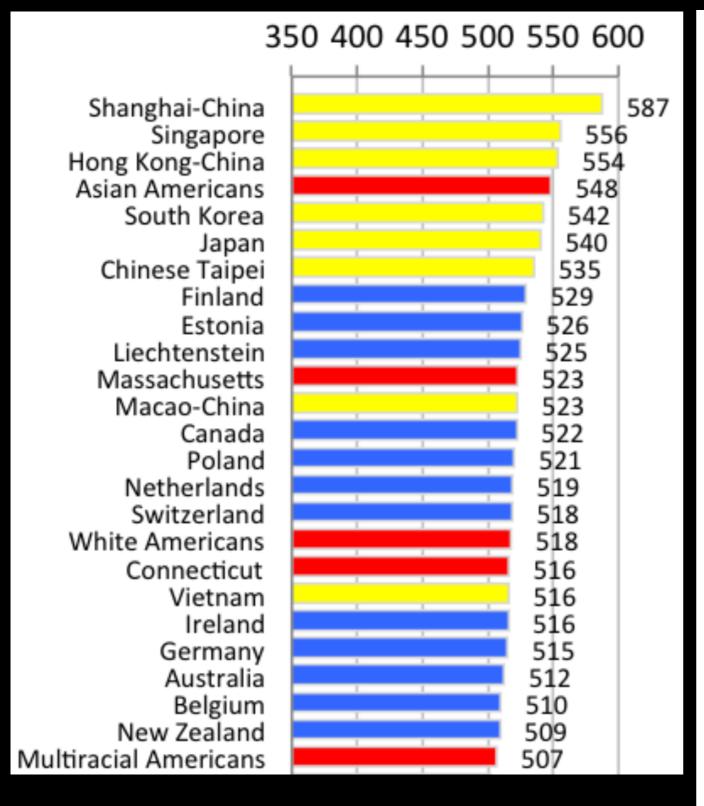


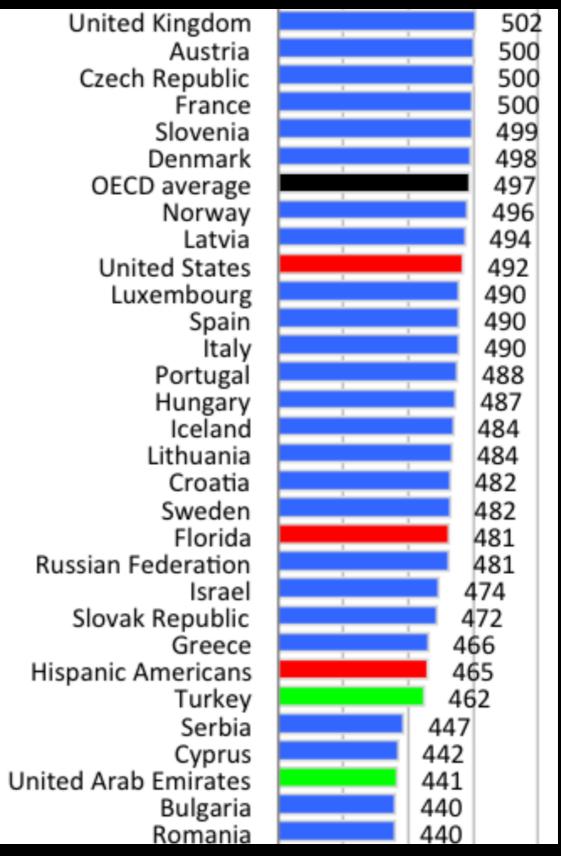
### RULING THE ED. WORLD ACCORDING TO THE PISA TESTS

	Maths	Sciences			Reading			
1	Shanghai, China	613	1	Shanghai, China	580	1	Shanghai, China	570
2	Singapore	573	2 🛊	Hong Kong, China	555	2 🛊	Hong Kong, China	545
3	Hong Kong, China	561	3	Singapore	551	3	Singapore	542
4	Taiwan	560	4	Japan	547	4	Japan	538
5	South Korea	554	5	Finland	545	5 🔅	South Korea	536
6	Macau, China	538	6	Estonia	541	6	Finland	524
7	<ul><li>Japan</li></ul>	536	7 🔅	South Korea	538	7	Taiwan	523
8	Liechtenstein	535	8	Vietnam	528	8	Canada	523
9	Switzerland	531	9	Poland	526	9	Ireland	523
10	Netherlands	523	10	Liechtenstein	525	10	Poland	518
11	Estonia	521	11 🖊	Canada	525	11	Liechtenstein	516
12	- Finland	519	12	Germany	524	12	Estonia	516
13	Canada	518	13	Taiwan	523	13	Australia	512
14	Poland	518	14	Netherlands	522	14	New Zealand	512
15	Belgium	515	15	Ireland	522	15	Netherlands	511
		7	112 2	A STATE OF THE STA				7

Source: OECD..COM

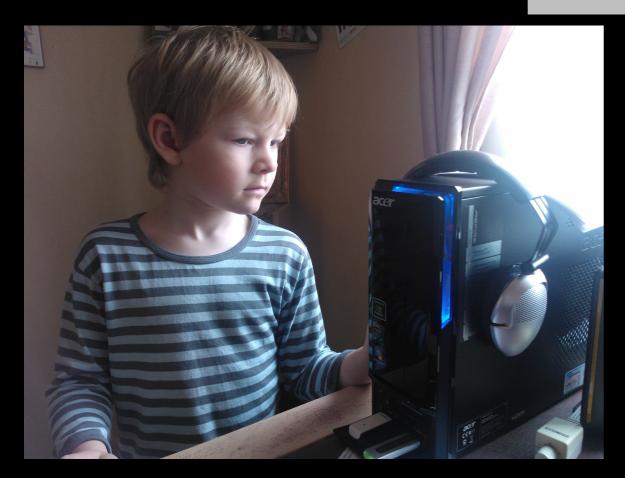
#### OVER ALL RANKING





### I am happy about the PISA down fall

Reading 6th (1st in EU)
Math 12th (4th, after Liechtenstein, Swiss,
Holland, Estonia)
Sience 5th (1st in EU)
Over all (1st in EU)



### TIME TO ACTIVATE YOUR FINGER AGAIN - THE SECRET OF FINLAND'S SYSTEM!



#### HOW CAN WE RULE THE ED. WORLD?

FREE (INC. UNIVERSITY)

PRE-SCHOOL @6, SCHOOL @7

MASTER'S DEGREE

FREE LUNCHES

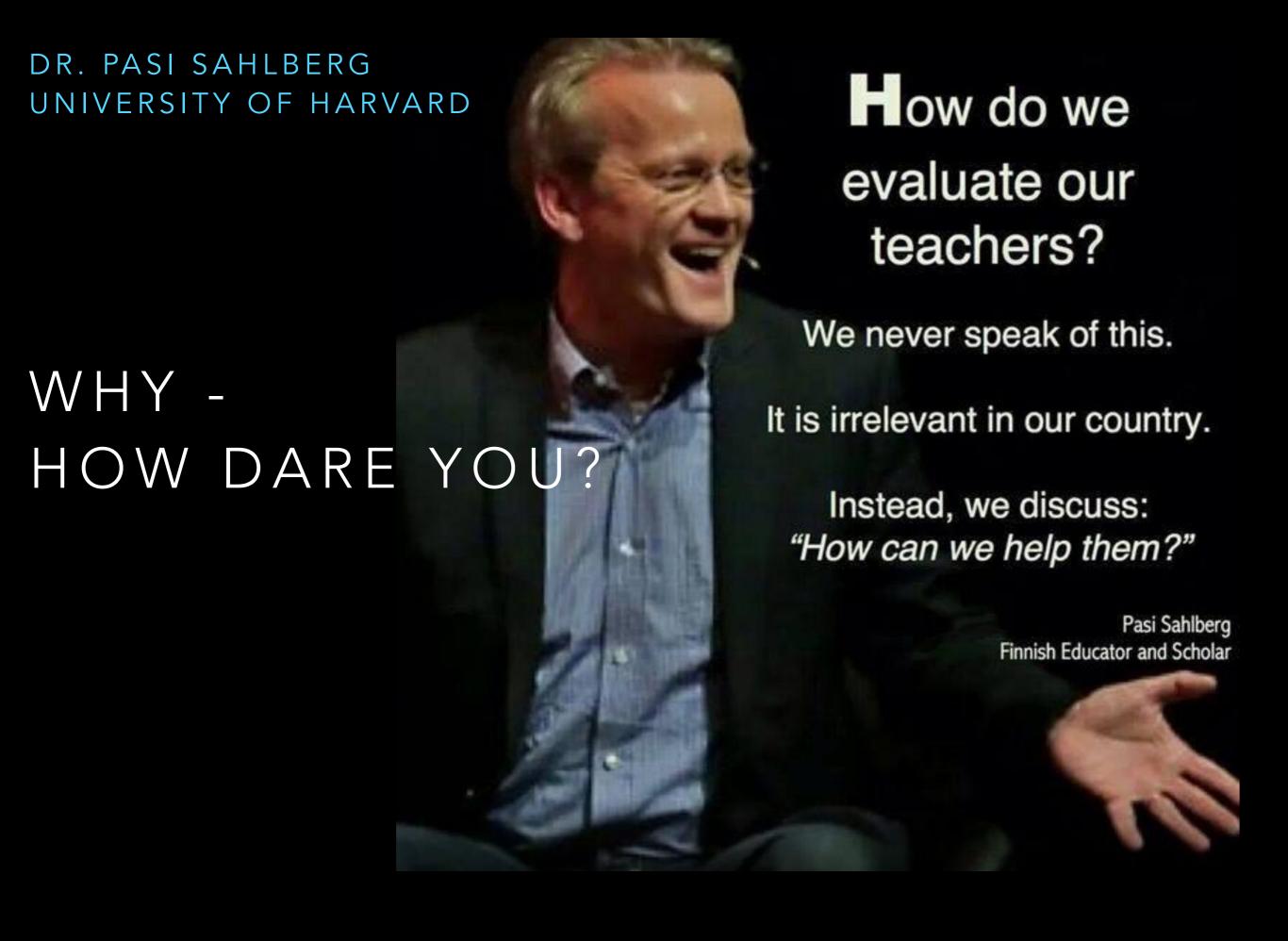
"FREE" CURRICULUM - 2/3



INDEPENDENCY & FREEDOM OF PEDAGOGICAL APPROACH
--> LEARNER CENTERED INTERACTION

RIGHT FOR SUPPORT - EVERY LEARNER MATTERS: 3 STAGES: EARLY, INTENSIVE & SEN

NO STAD. TESTING & RANKING (BOOKS, TEACHERS, LEARNERS)



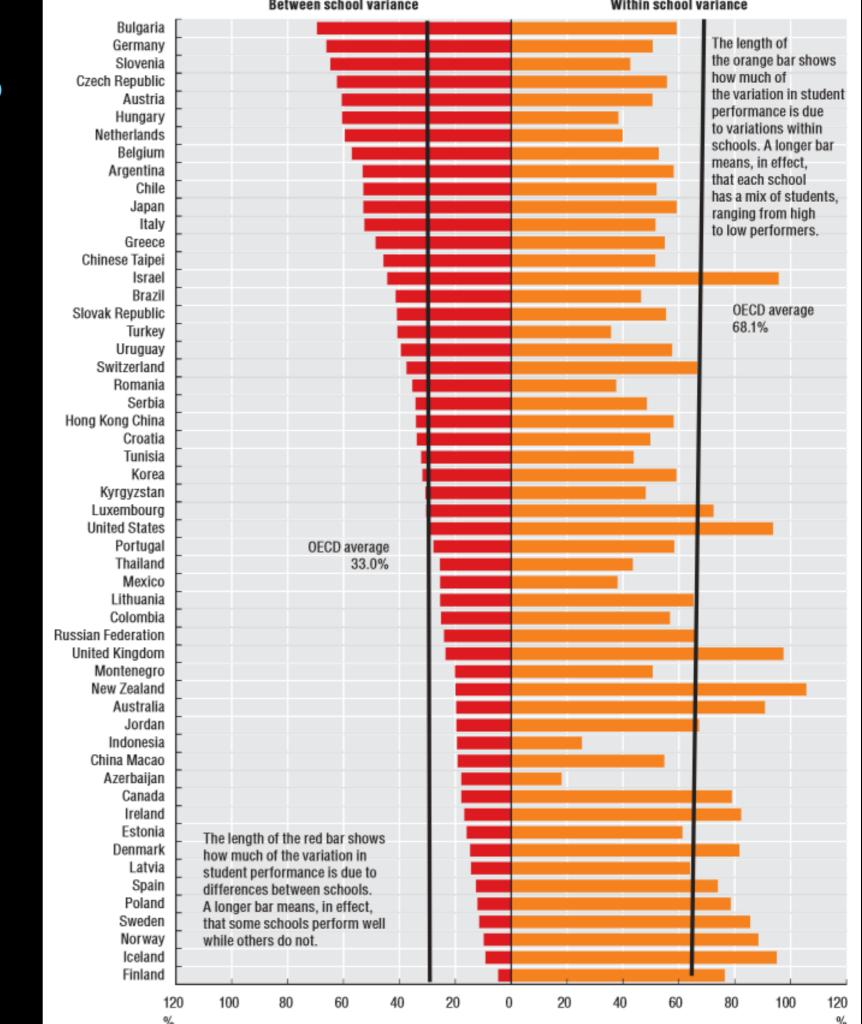
#### WHAT MAKES FINLAND SO GOOD?

- SCHOOL AUTONOMY & IDENTITY
- LIMITING STUDENT TESTING
- PLANNING RESPOSIBILITY AND TRUST
- INVESTING IN EQUITY AND EQUALITY (EVERY CHILD)
- HANDLING LEARDERSHIP TO EDUCATION PROFESSIONALS
- INTERNATIONAL INFLUENCE
- RESPECTFUL & INSPIRING WORKING CONDITIONS
- COOPERATION & COLLABORATION
  - NO TOUGH COMPETITION
- HIGH TEACHER EDUCATION PROGRAM
- FAIRNESS IN PAY

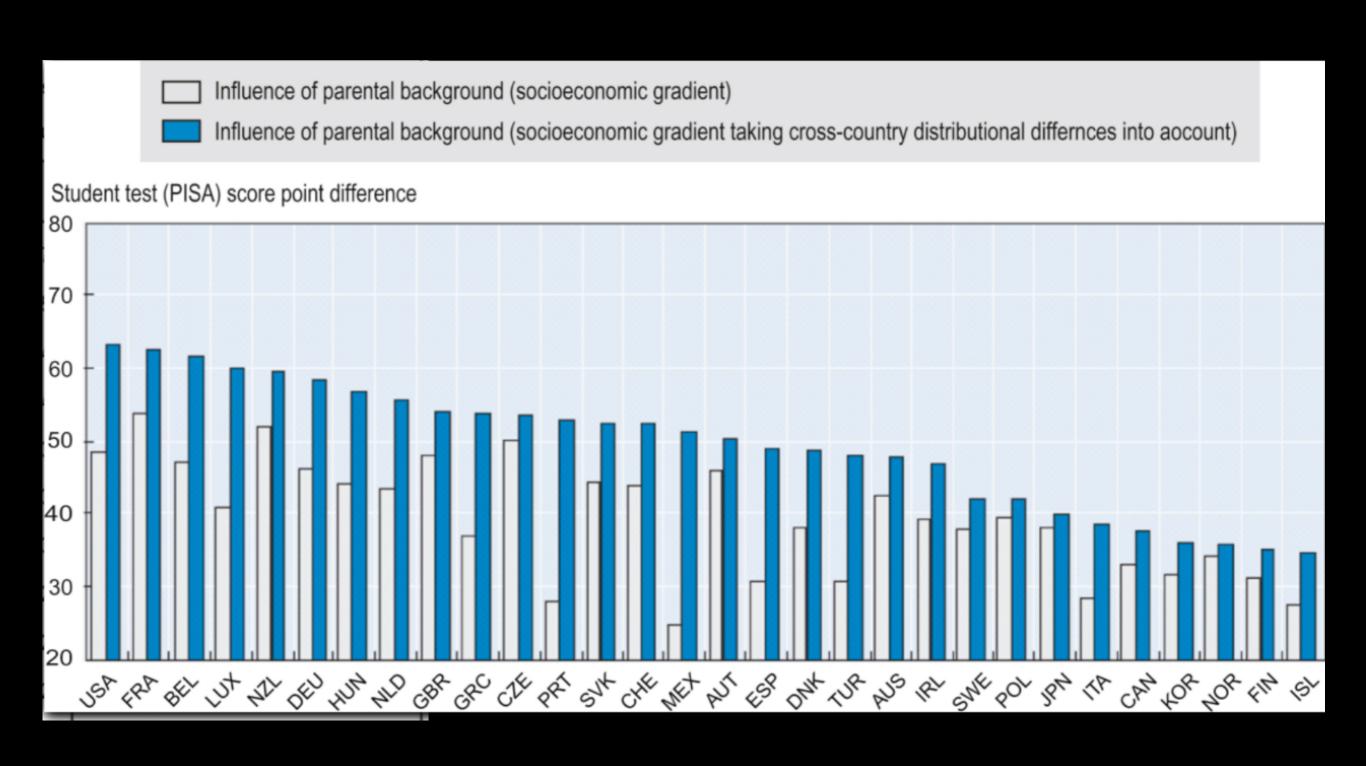
Source: Finnish Lessons 2.0. By P. Sahlberg

### RULING THE ED. WORLD

The difference between the schools is the smallest in the world



### MONEY VS. EDUCATION



### WHAT IS THE CHALLANGE?



http://ec.europa.eu/
information\_society/newsroom/
cf/dae/itemdetail.cfm?
item\_id=9920



Fig. 1.1d: Students per computer

(Grade 11 vocational, country and EU level, excl. LU, SE, 2011-12)

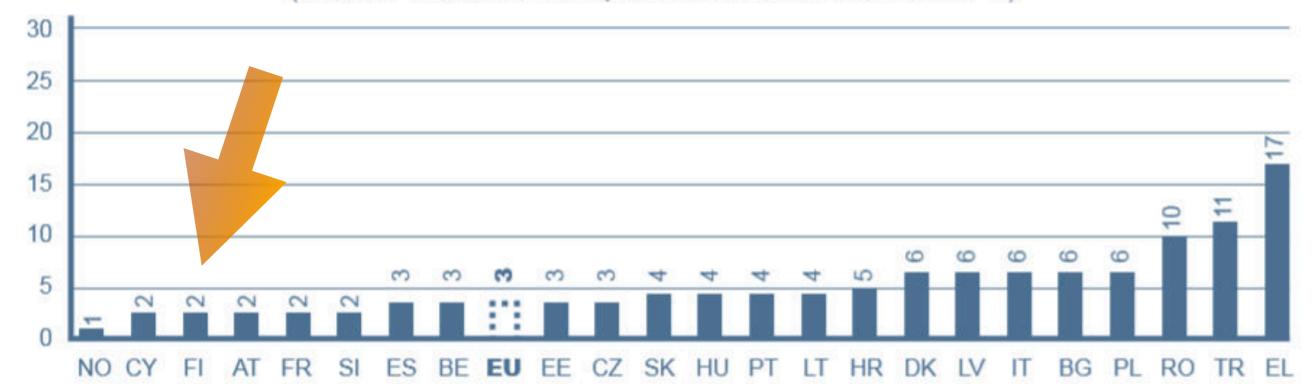


Fig. 1.6b: Students per data projector (Grade 8, country and EU level, 2011-12)

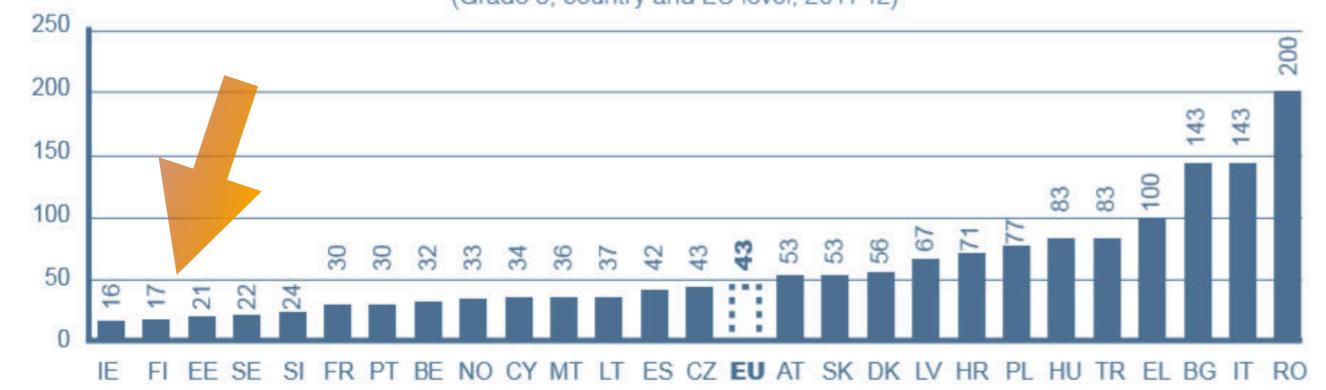


Fig. 1.10b: % of students in schools with a virtual learning environment

(Grade 8, country and EU level, 2011-12)

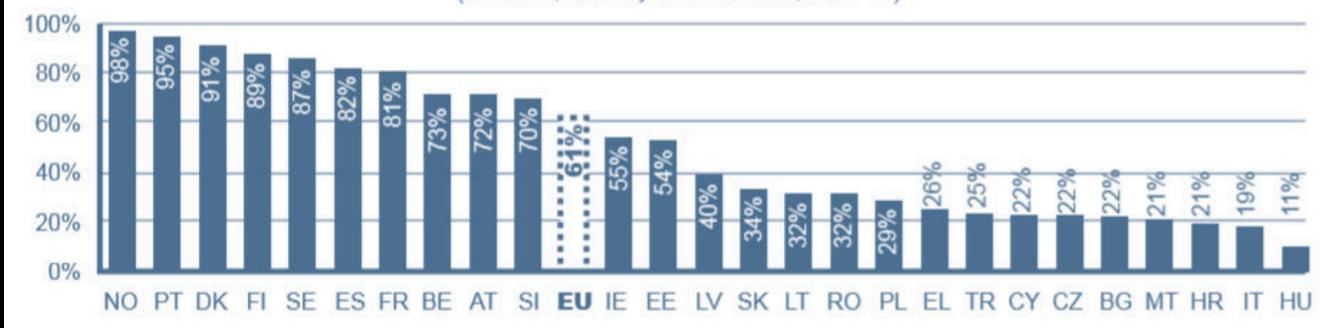


Fig. 1.10c: % of students in schools with a virtual learning environment

(Grade 11 general, country and EU level, 2011-12)

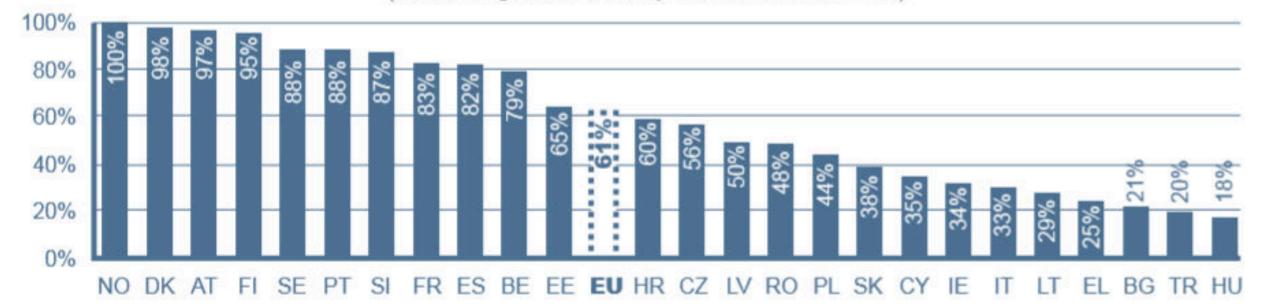
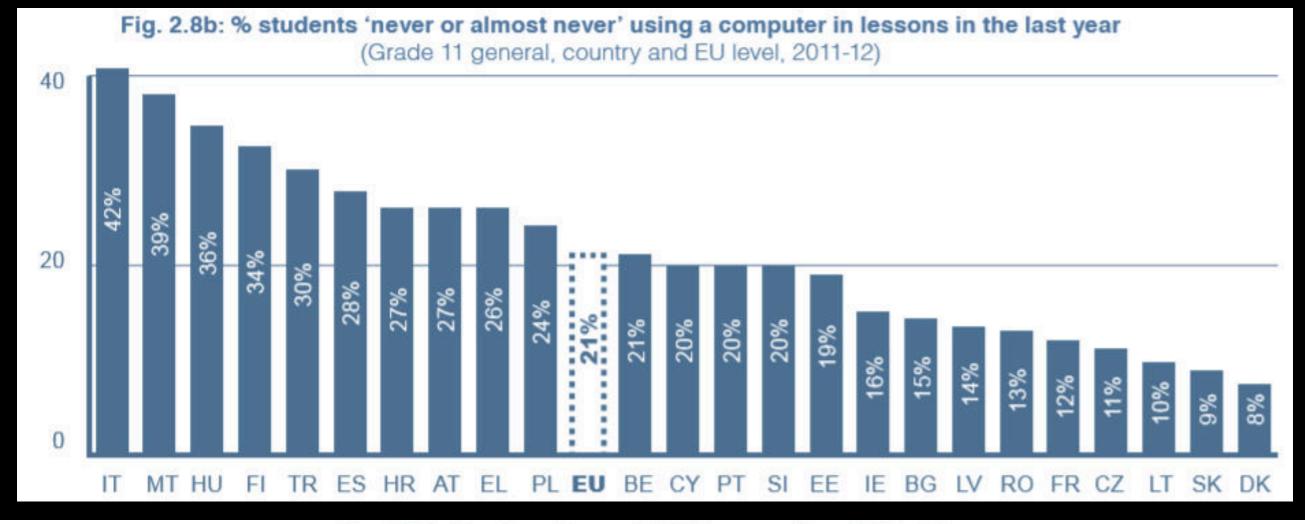
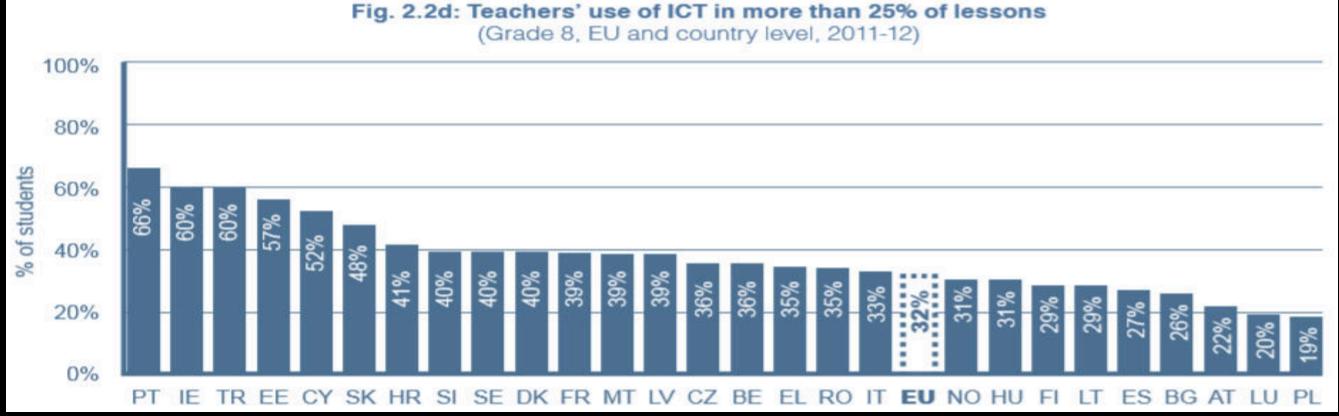


Fig. 1.9a: % of students in schools without broadband

(Grade 4, country and EU level, 2011-12)







### PAPER EX -APP AND YOUR OWN FINGER...



### WHAT IS THE FUTURE?

A REFORM

OF THE CORE

CURRICULUM



### GOALS OF LEARNING

REMEMBER

CONTENT

SEARCH FOR INFORMATION

ROUTINE COGNITIONS

### GOALS OF LEARNING

KNOWLEDGE BUILDING

SKILLS

KNOWHOW TO ORGANIZE INFORMATION

HIGHER COGNITIONS

### NATIONAL BOARD OF EDUCATION

MS. IRMELI HALINEN

"HIGH QUALITY OF EDUCATION IS A BASIC RIGHT"

"IN EDUCATION
WE BUILD
THE FUTURE"

4:38-6:20

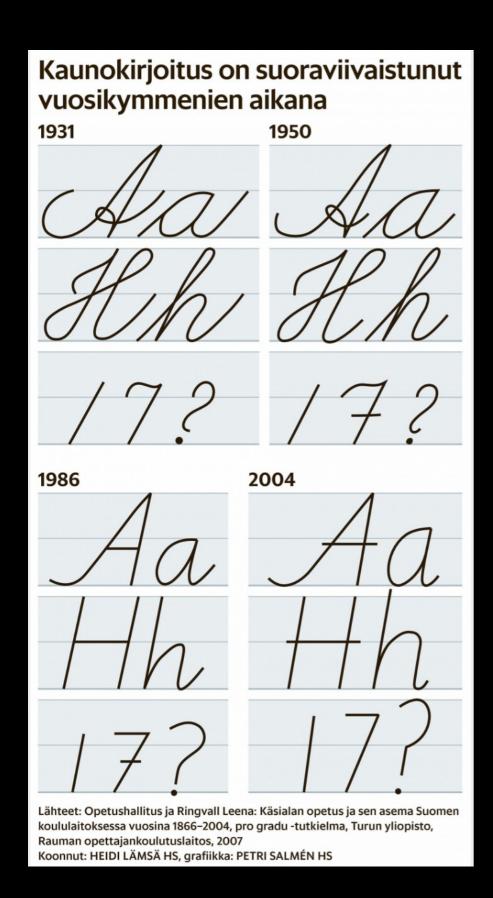


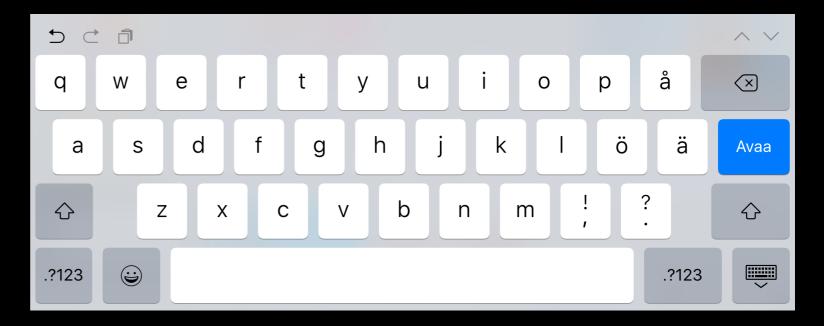
Ms Irmeli Halinen, Head of curriculum development with Finnish National Board of Education, discusses the basic education curriculum reform in Finland.

http://oph.fi/english/education\_development/current\_reforms/

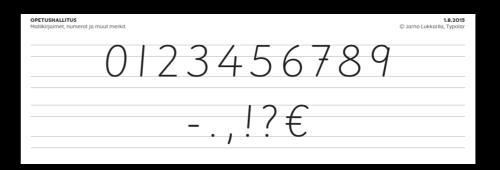
Kerrang Se oli hyveni Tassu. Se oli hyvenin i nukkua pehmean päällä. Se oli hyroin oira. Tassu sai jokato sai mehukaita

### NEW NATIONAL CURRICULUMN





ABCDEFGHIJ KLMNOPQRSTU VWXYZÅÄÖ abcdefghijklmnopq rstuvwxyzåäö



#### WHAT WILL CHANGE?

### PHENOMENOM BASED LEARNING / BROADWAY BASED COMPETENCE

- THINKING & LEARNING
- CULTURAL COMPETENCE, INTERACTION AND EXPRESSION
- LOOKING AFTER ONESELF, SAFETY
- MULTILITERACY
- ICT COMPETENCE (DIGITAL LEAP, CODING)
- ENTREPRENEURSHIP & WORKING LIFE COMPETENCE
- PARTICIPATION, EMPOWERMENT AND RESPONSIBILITY

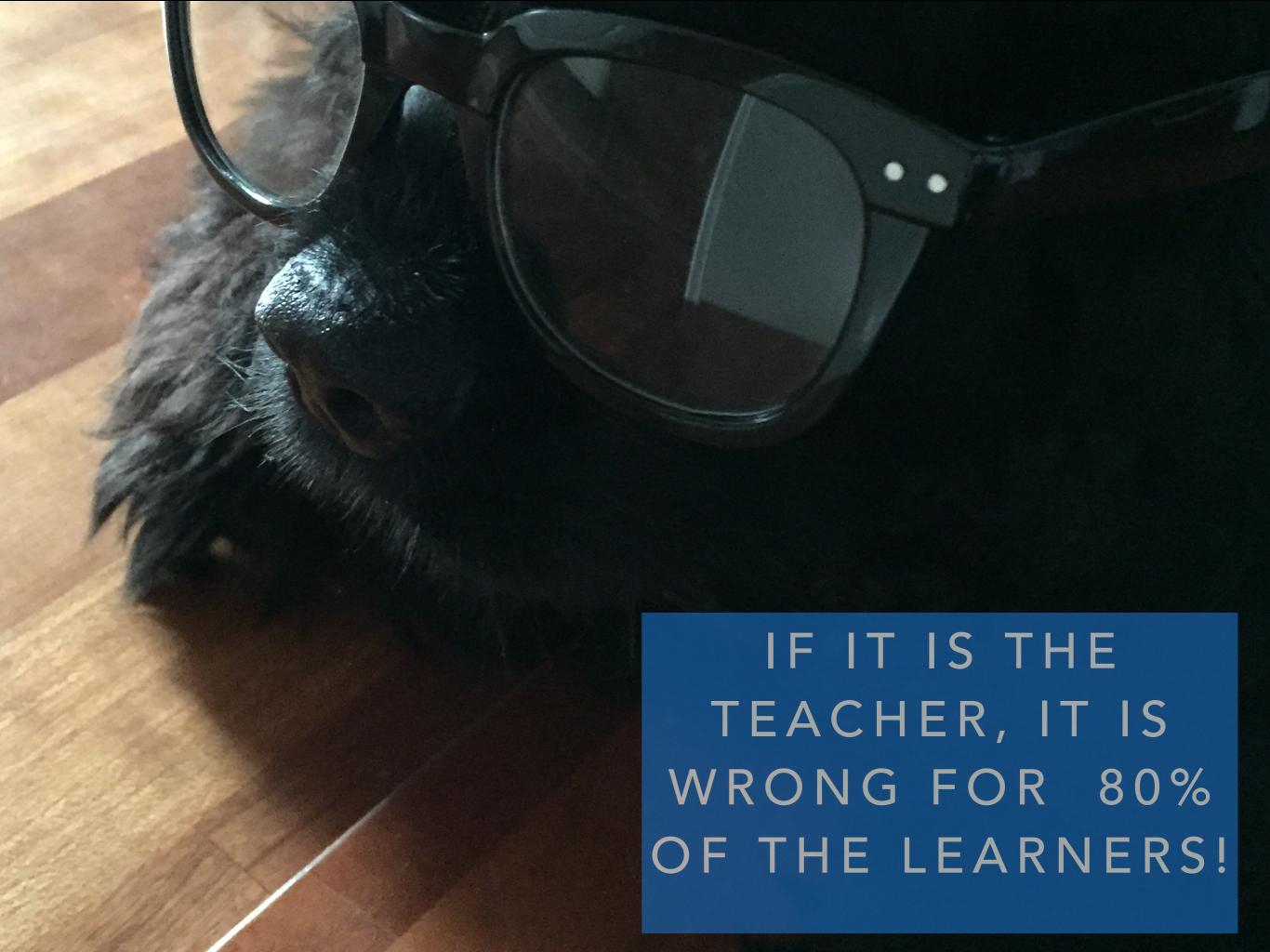
#### WHAT WILL CHANGE?

### FOUR CEES-POLICY

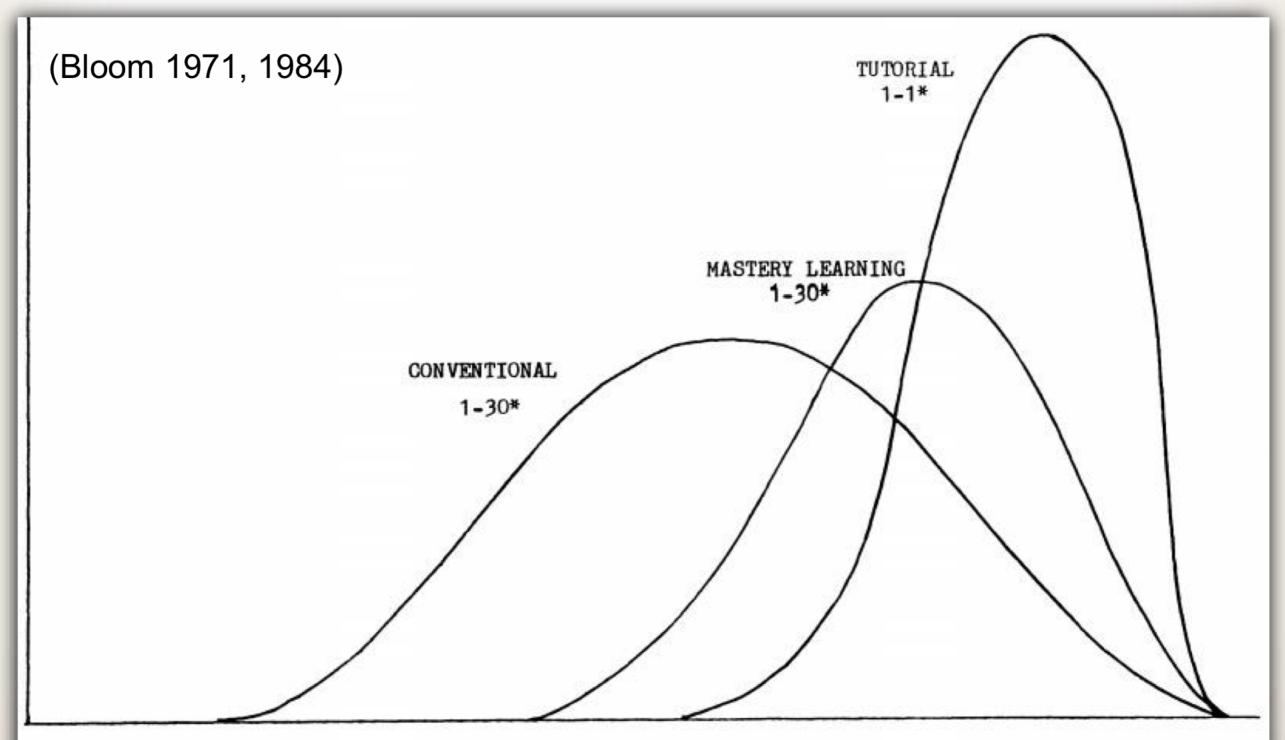
## CREATIVITY CRITICAL THINKING COMMUNICATION COOPERATION







## **Mastery Learning**



Summative Achievement Scores Pekka Peura 2014

\*Teacher-student ratio





"There is no evidence that any amount of homework improves the academic performance of elementary students."

This statement, by homework research guru Harris Cooper, of Duke University, is startling to hear, no matter which side of the homework debate you're on. Can it be true that the hours of lost playtime, power struggles and tears are all for naught? That millions of families go through a nightly ritual that doesn't help? Homework is such an accepted practice, it's hard for most adults to even question its value.



For elementary-aged children, research suggests that studying in class gets superior learning results, while extra schoolwork at home is just . . . extra work. Even in middle school, the relationship between homework and academic success is minimal at best. By the time kids reach high school, homework provides academic benefit, but only in moderation. More than two hours per night is the limit. After that amount, the benefits taper off. "The research is very clear," agrees Etta Kralovec, education

professor at the University of Arizona. "There's no benefit at the elementary school level."

HEATHER
SHUMAKER'S
NEW BOOK
IT'S OK TO
GO UP THE
SLIDE



# REFLECTION TIME



#### Dr Edward de Bono's

### Six Thinking Hatse







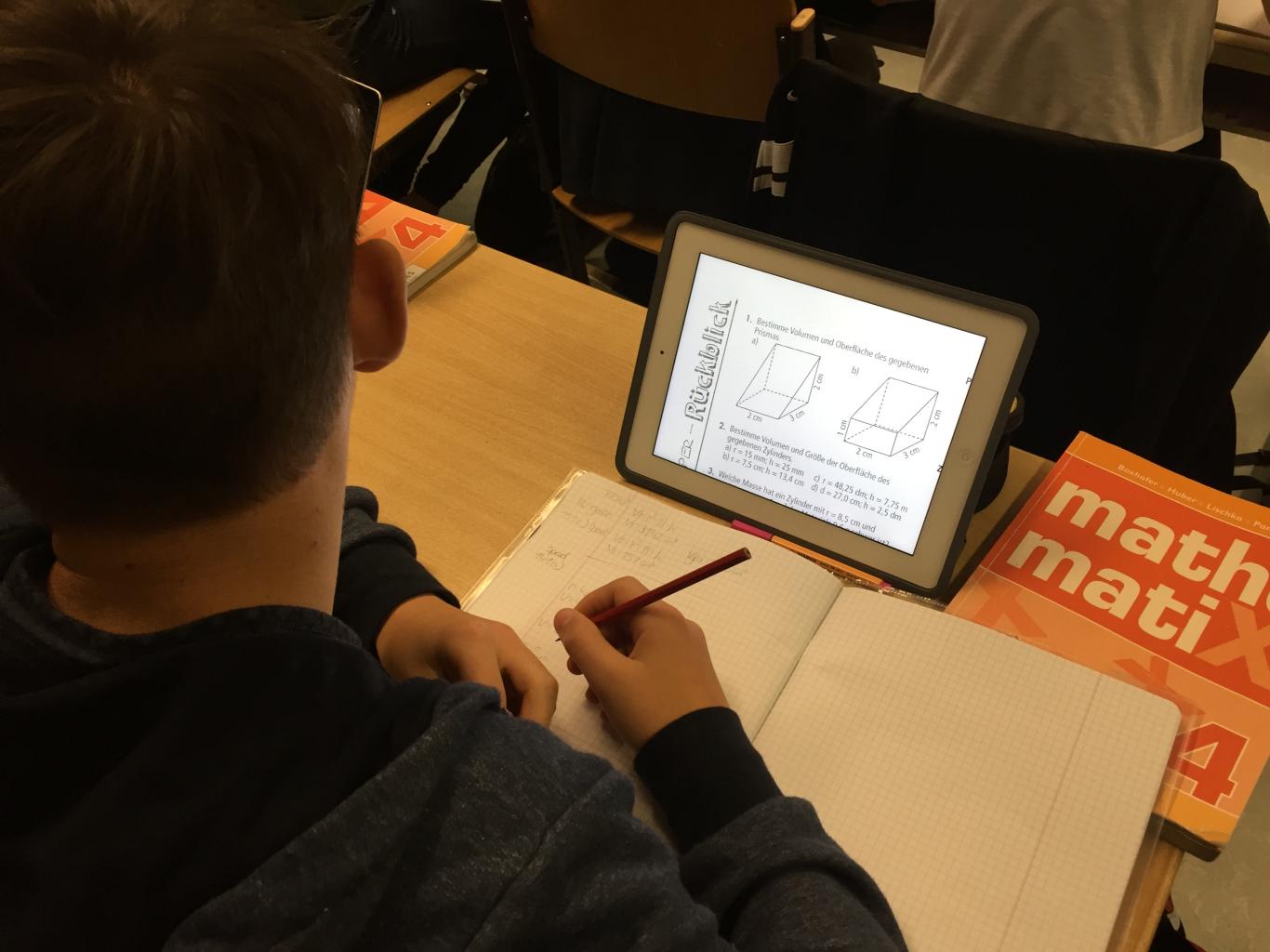
positive aspects

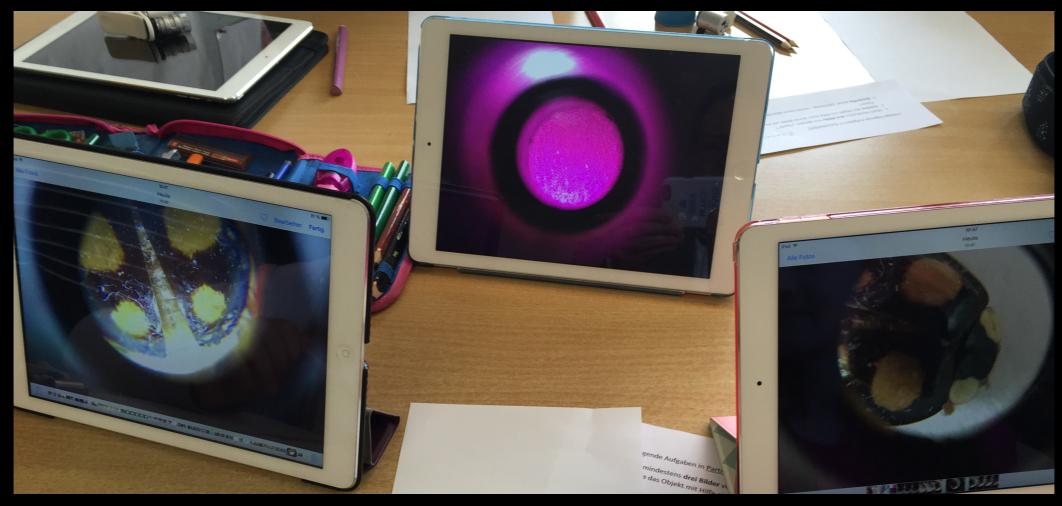


caution, difficulties, risks, weaknesses







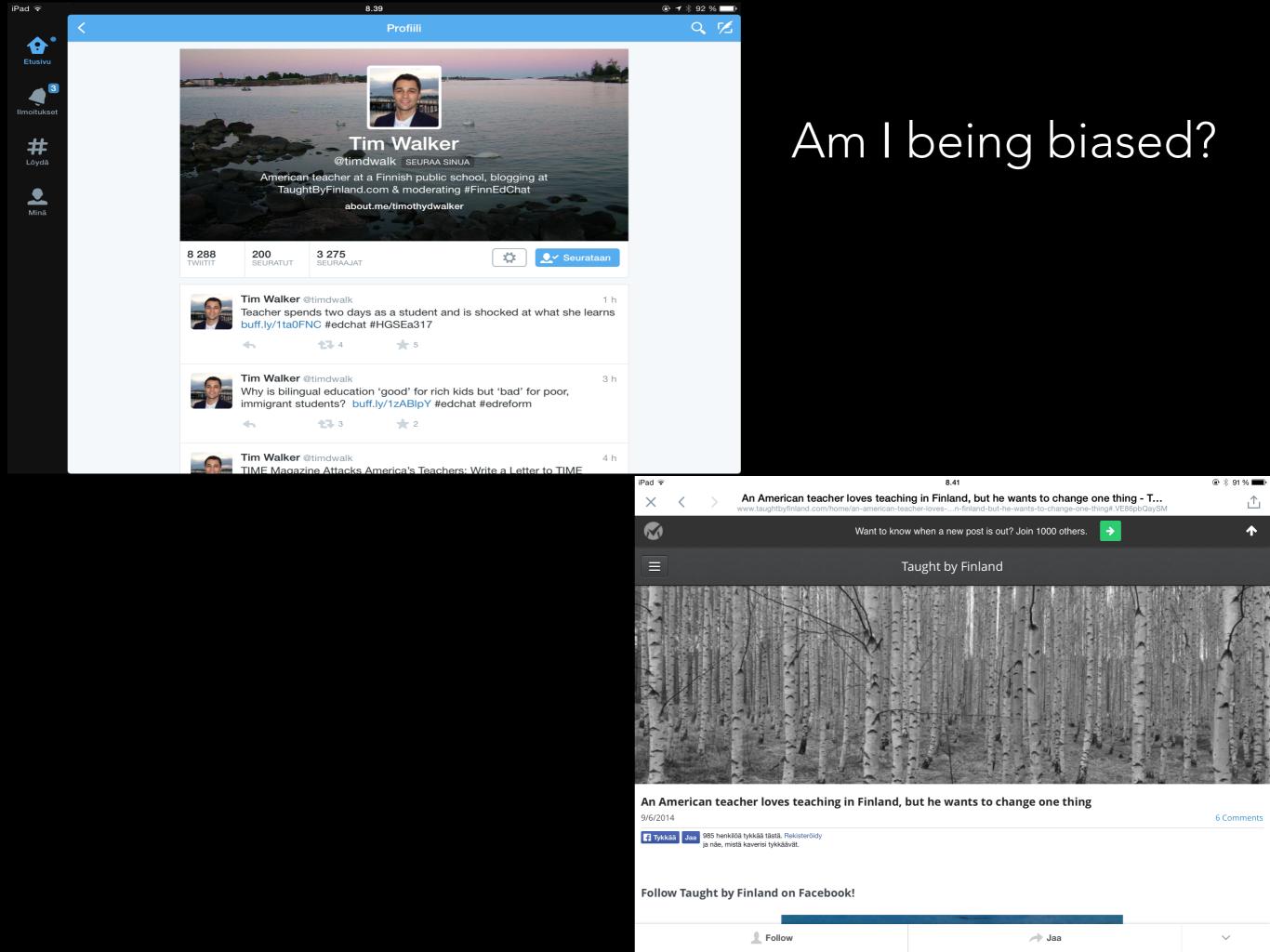








P		Efficiency	PISA rank
Ranking	Country		(2012 Maths)
1	Finland	87.81%	UI
2	Korea	86.66%	-
3	Czech Republic	84.38%	14
4	Hungary	84.08%	24
5	Japan	83.88%	2
6	New Zealand	83.30%	12
7	Slovenia	83.28%	10
8	Australia	81.23%	9
9	Sweden	80.58%	23
10	Iceland	79.39%	17
11	ĘĶ	78.71%	16
12	France	78.69%	15
13	Israel	77.84%	25
14	Netherlands	76.80%	4
15	Ireland	76.80%	11
16	Austria	74.68%	8
17	Norway	74.05%	18
18	Belgium	73.52%	6
19	ASU	72.66%	22
20	Chile	72.54%	28
21	Turkey	71.44%	27
22	Denmark	70.60%	13
23	Italy	69.81%	20
24	Portugal	68.29%	19
25	Germany	67.01%	7
26	Spain	63.09%	21
27	Greece	846.09	26
28	Switzerland	59.71%	ω
29	Indonesia	51.13%	30
30	Brazil	25.45%	29



CNN NEWS REPORT



http://youtu.be/0\_9s3A2pcA

#### THERE IS ALWAYS THE THIRD...

### name one

op.fi/Rahaa

# ALLIN ALL - 3 POINTS

PEDAGOGICAL FREEDOM
LET'S FINNISH TEACHERS TEACH THEIR LEARNERS TO

LEARN - NOT JUST TO PASS A TEST

HOLISTIC GROWNTH

SCHOOL NEEDS TO BE READY TO RECEIVE ALL CHILDREN JUST AS THEY ARE

HAVE A HEART

LOVE WHAT YOU DO

## HTTP://YOUTU.BE/C9EGZ9HXFEI

Teacher Compliments Students And It's Turning His Classroom Around



@PILMONEN
PETRI.ILMONEN@KVL.FI

RESOURCES: <u>WWW.VISITFINLAND.FI</u> <u>WWW.OPH.FI</u> <u>WWW.OPM.FI</u> <u>WWW.OECD.COM</u>





Source: hardik.practutor.com.

