

TO PISA OR NOT TO PISA - THE EDUCATION WORLD

MR. PETRI ILMONEN, DEVELOPMENT MANAGER, FAIDD

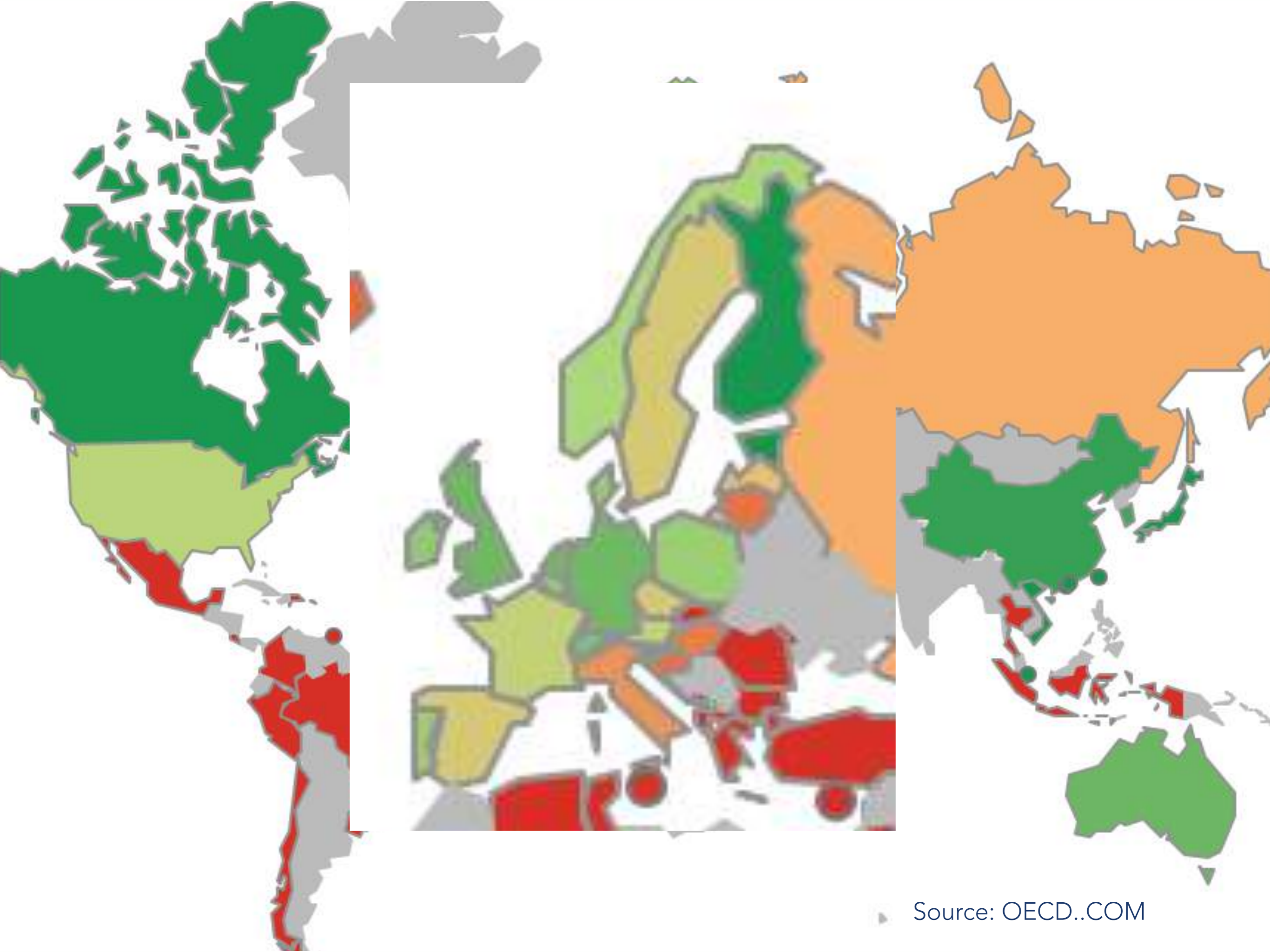


A KEY
ELEMENT
FOR
GOOD
LEARN-
ING?



Explore. Learn. Share.

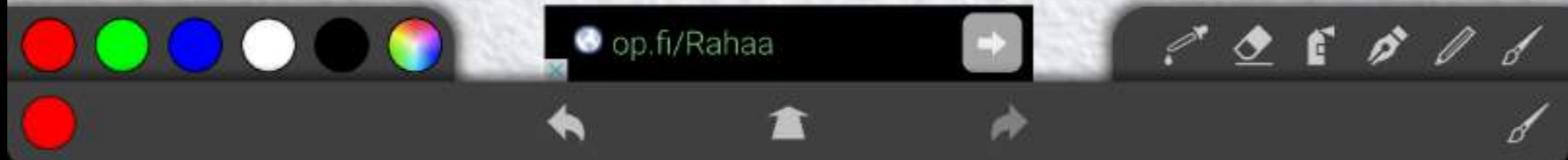
- A) TOO WELL
- B) QUITE WELL
- C) A LITTLE BIT
- D) NOT AT ALL



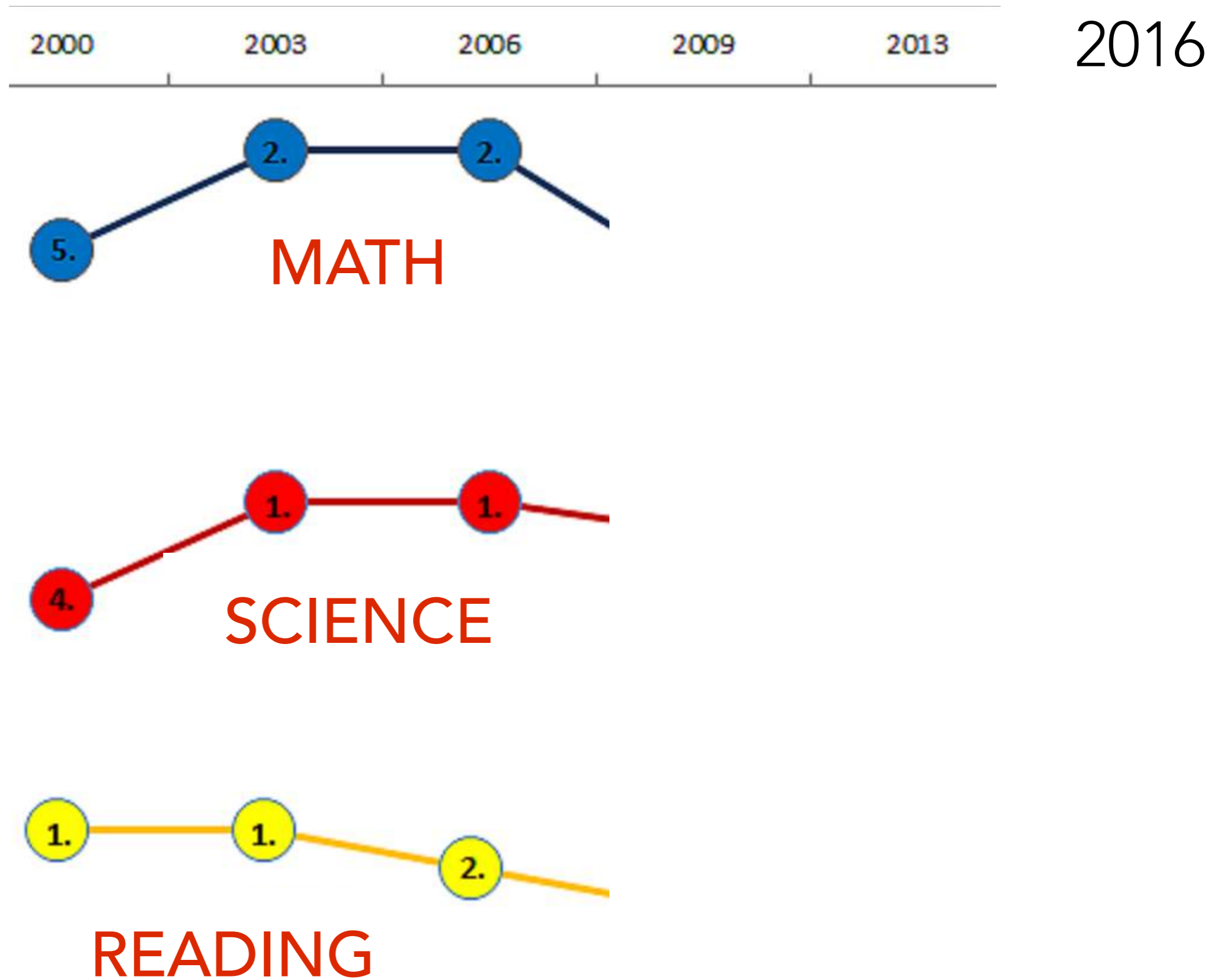
Source: OECD.COM

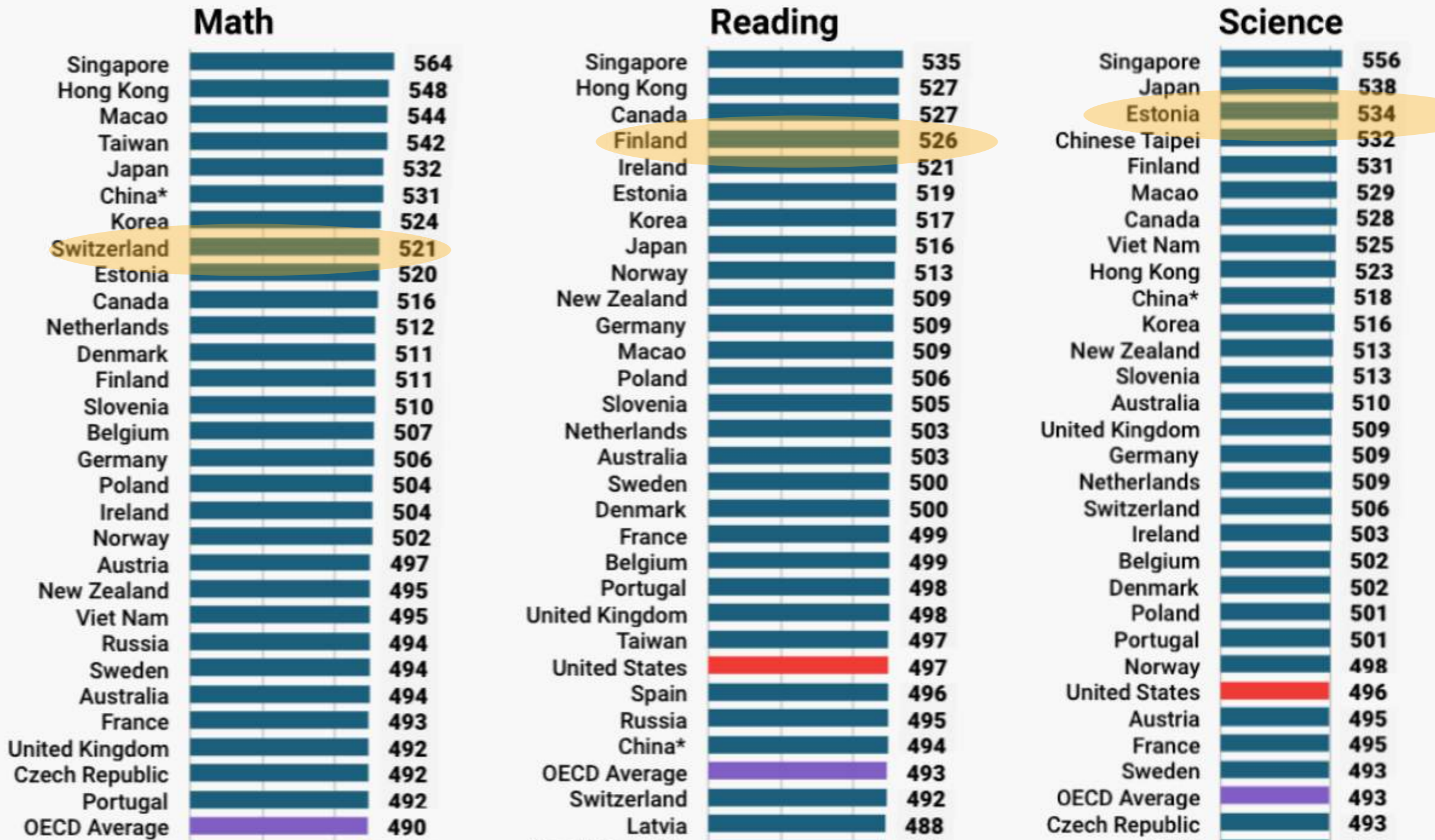
TIME TO ACTIVATE YOUR FINGER AGAIN!

What's
Good



16 YEARS OF PISA - THE RANKING OF FINLAND





Source: OECD.COM

I am happy about the PISA downfall



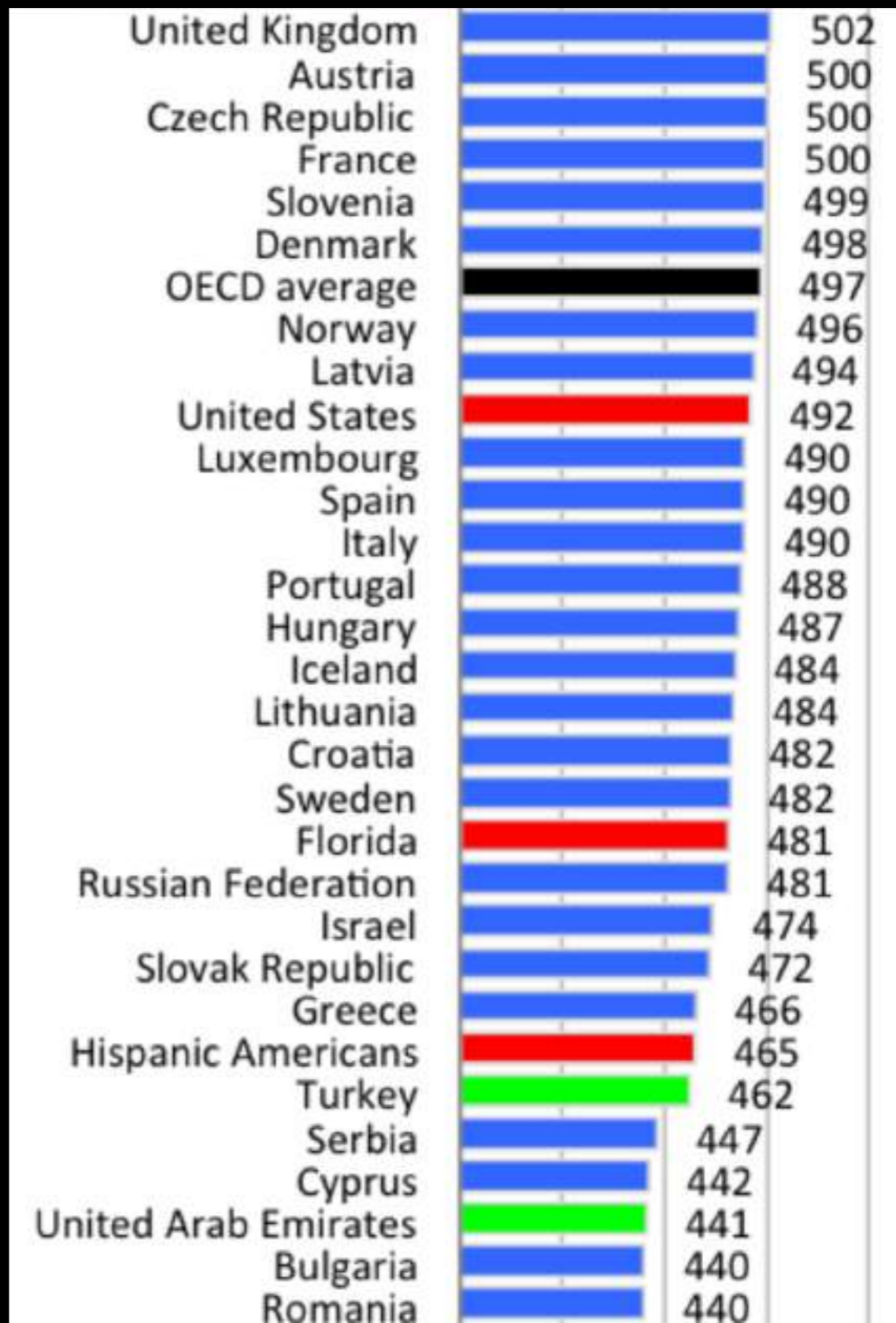
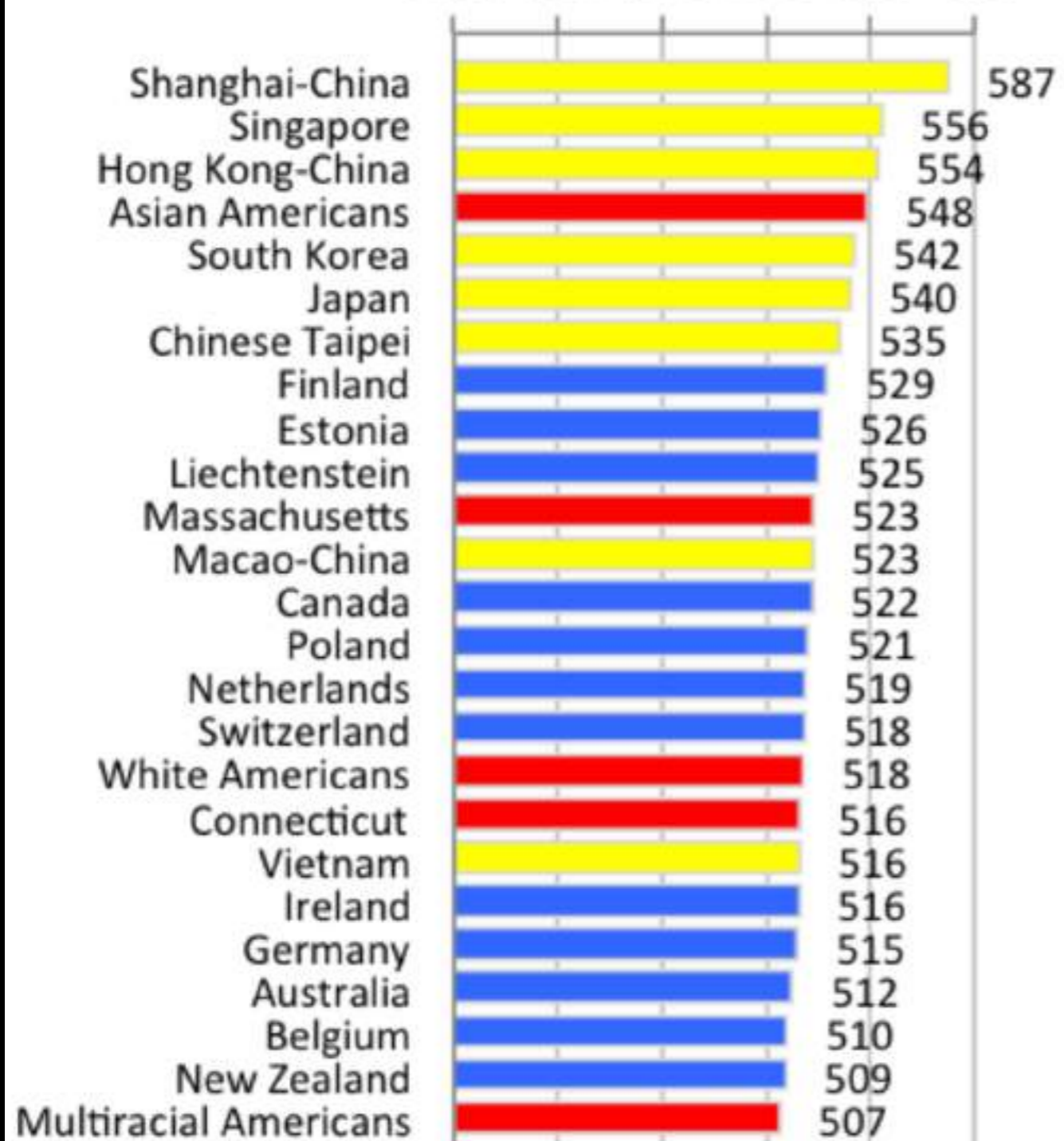
WE NEED A CHANGE!

	Science, reading and mathematics	
	Share of top performers in at least one subject (Level 5 or 6)	Share of low achievers in all three subjects (below Level 2)
	%	%
OECD average	15.3	13.0
Singapore	39.1	4.8
Japan	25.8	5.6
Estonia	20.4	4.7
Chinese Taipei	29.9	8.3
Finland	21.4	6.3
Macao (China)	23.9	3.5
Canada	22.7	5.9
Viet Nam	12.0	4.5
Hong Kong (China)	29.3	4.5
B-S-J-G (China)	27.7	10.9
Korea	25.6	7.7
New Zealand	20.5	10.6
Slovenia	18.1	8.2
Australia	18.4	11.1
United Kingdom	16.9	10.1

Source: OECD.COM

OVER ALL RANKING

350 400 450 500 550 600





A NEW LEARNING PHASE

2017

ISSN 2342-0170



SUOMI
FINLAND

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)



DR PASI SAHLBERG
UNIVERSITY OF HARVARD

WHY -
HOW DARE YOU?

How do we
evaluate our
teachers?

We never speak of this.

It is irrelevant in our country.

Instead, we discuss:
"How can we help them?"

Pasi Sahlberg
Finnish Educator and Scholar

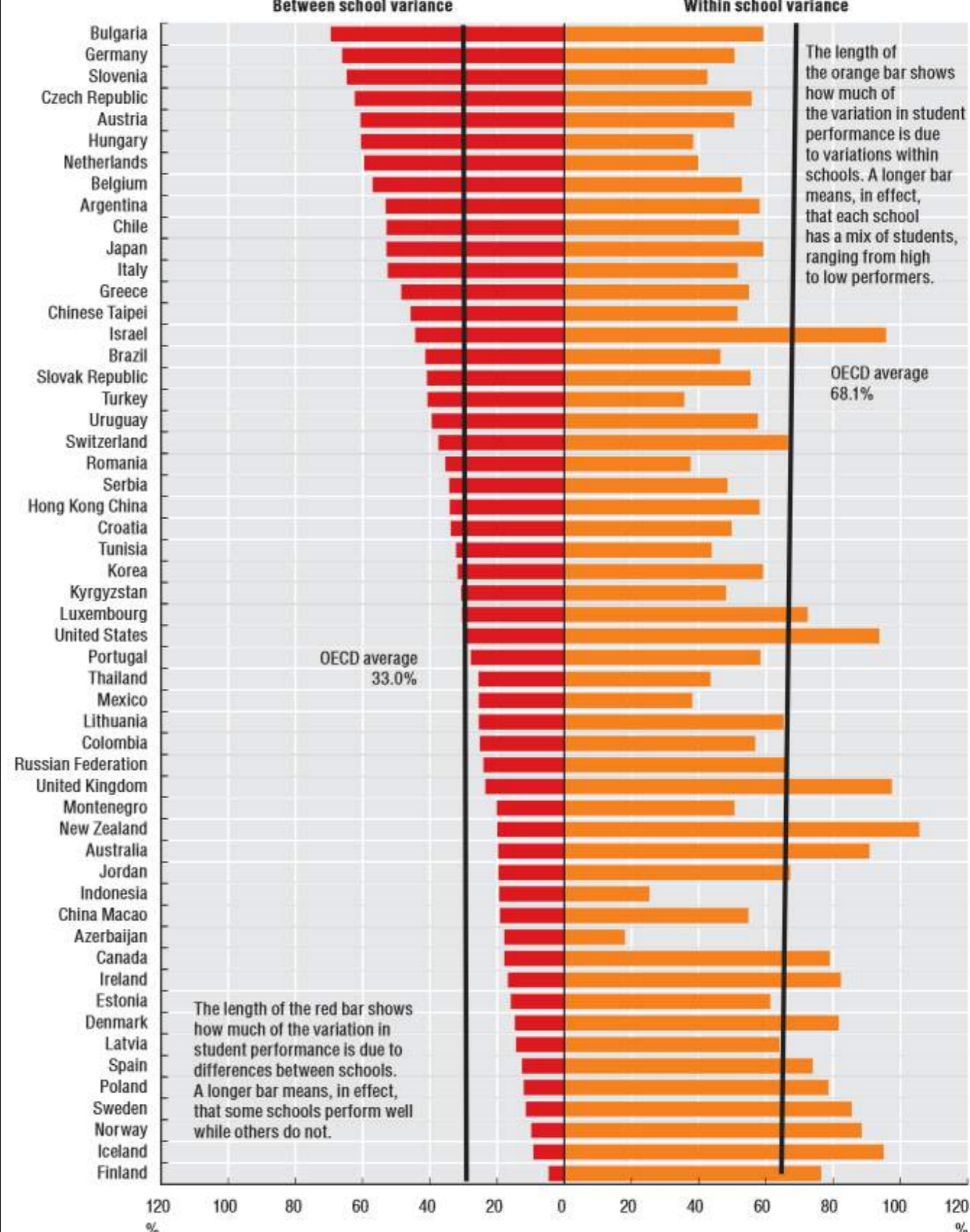


WHAT MAKES FINLAND SO GOOD?

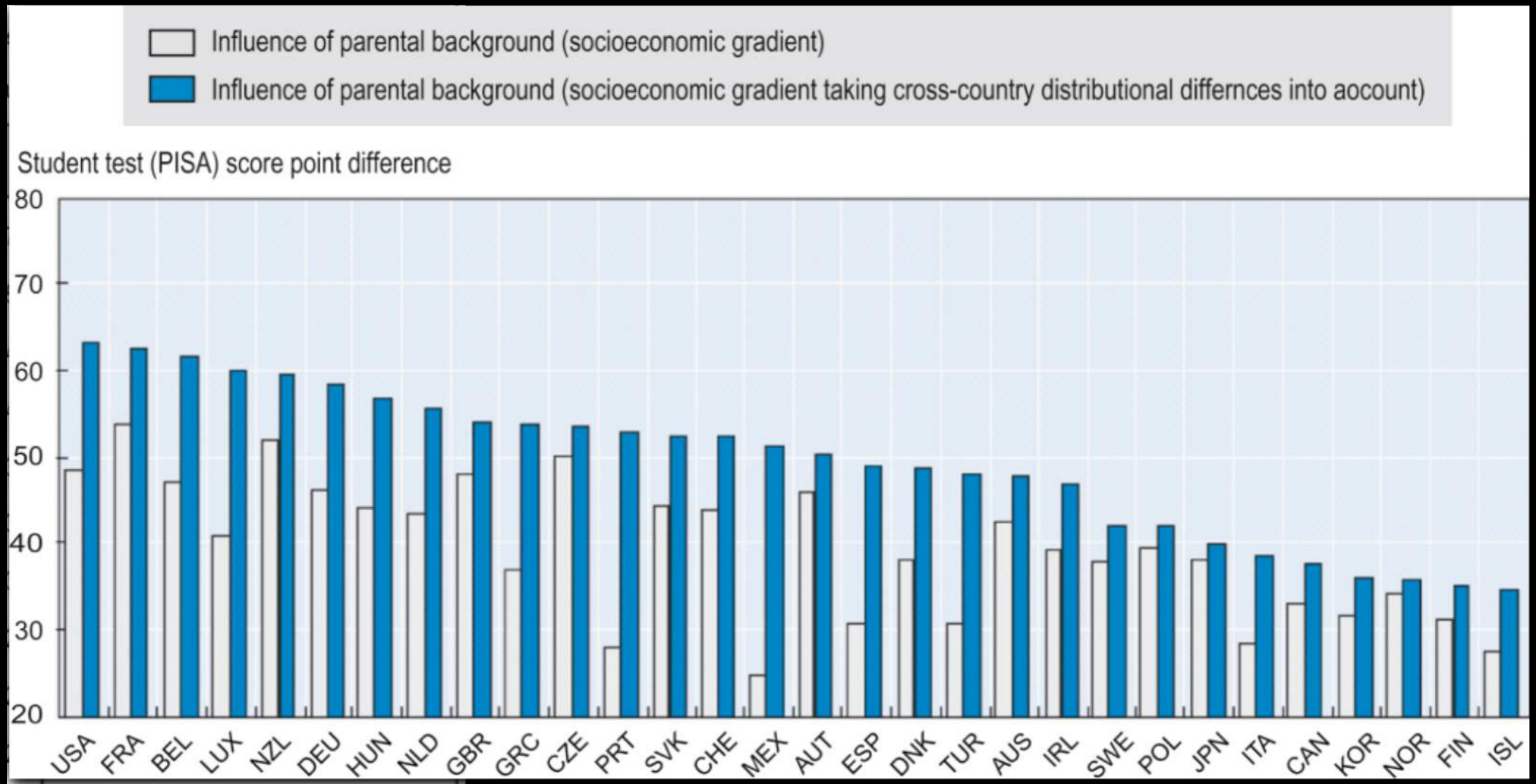
- SCHOOL AUTONOMY & IDENTITY
- LIMITING STUDENT TESTING
- PLANNING RESPONSIBILITY AND TRUST
- INVESTING IN EQUITY AND EQUALITY (EVERY CHILD)
- HANDLING LEADERSHIP TO EDUCATION PROFESSIONALS
- INTERNATIONAL INFLUENCE
- RESPECTFUL & INSPIRING WORKING CONDITIONS
- COOPERATION & COLLABORATION
 - NO TOUGH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

RULING THE ED. WORLD

The difference between the schools is the smallest in the world

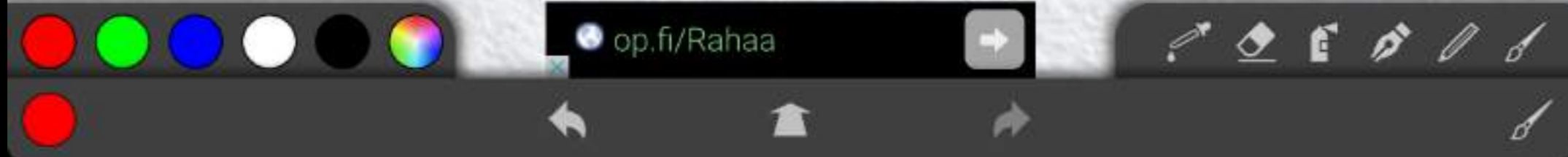


MONEY VS. EDUCATION



PAPER EX -APP AND YOUR OWN FINGER...

What's
Good



A REFORM OF THE CORE CURRICULUM

- WHAT FINLAND IS
GOING TO DO
IN ORDER TO
CLIMB BACK TO
THE HIGHEST TOP





Finland Will Become the First Country in the World to Get Rid of All School Subjects

Share on Facebook Share on Twitter

Finland's education system is considered one of the best in the world. In international ratings, it's always in the top ten. However, the authorities don't want to rest on their laurels, and they've decided to carry through a major overhaul of the school system.

Finnish officials want to remove all individual subjects from the curriculum. There will no longer be any classes in literature, history, or geography.

The head of the Ministry of Education in Helsinki, Marjo Kyllonen, explained the changes:

"There are schools that are teaching in the old-fashioned way which was of benefit in the beginning of the 1900s — but the needs are not the same, and we need something fit for the 21st century."

Instead of individual subjects, students will study events and phenomena

EDUCATION

Finland to become world's first country to get rid of all school subjects

ACROSSING DIFFERENT SUBJECTS

Finland Will Become the First Country in the World to Scrap All School Subjects? ★

Finland Will Become the First Country in the World to Get Rid of All School Subjects

NEWS

Finland To Become First Country In The World To Scrap All School Subjects

GOALS OF LEARNING

REMEMBER

CONTENT

SEARCH FOR
INFORMATION

ROUTINE
COGNITIONS

GOALS OF LEARNING

KNOWLEDGE
BUILDING

SKILLS

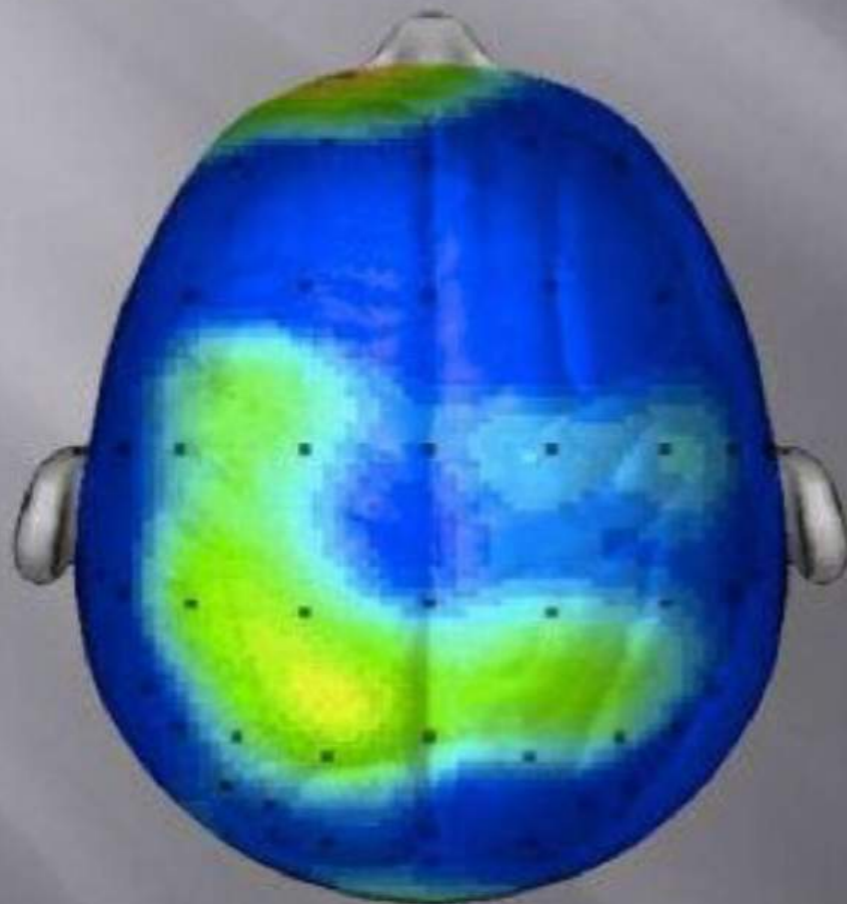
KNOWHOW TO
ORGANIZE
INFORMATION

HIGHER
COGNITIONS

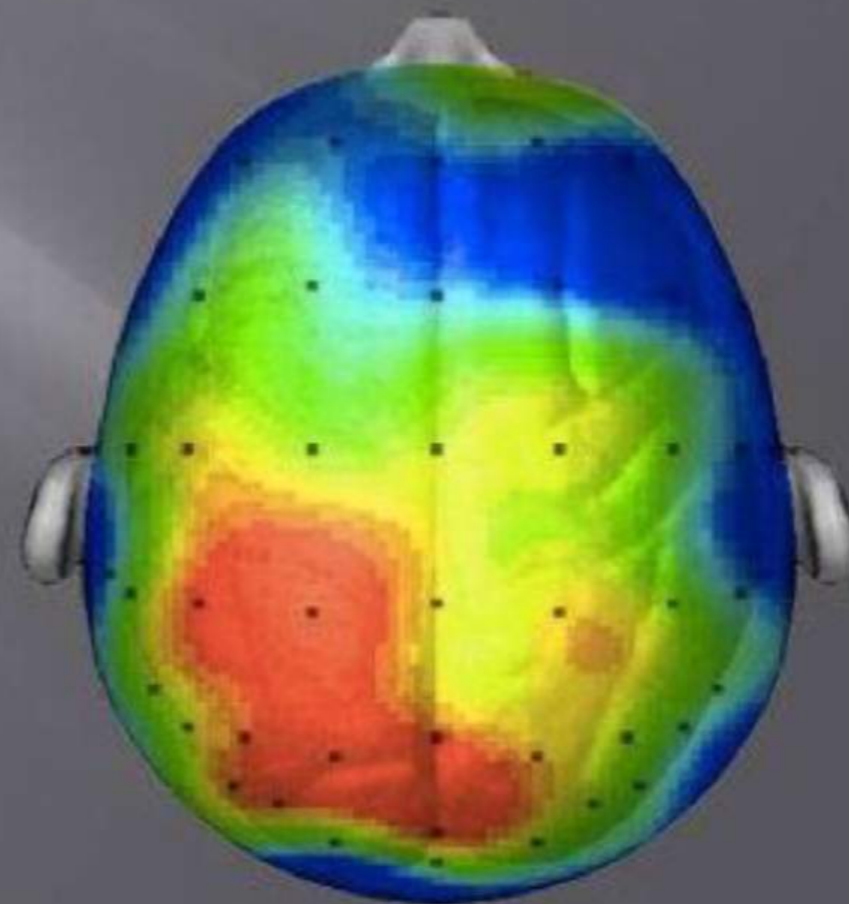


- TEACHERS' ICT-TRAINING
- DIGI-TUTOR TEACHERS
 - PAGOLOGICAL PRACTISES

BRAIN AFTER SITTING QUIETLY



BRAIN AFTER 20 MINUTE WALK



Research/scan compliments of Dr. Chuck Hillman University of Illinois

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/
curriculum_reform_2016](http://oph.fi/english/education_development/current_reforms/curriculum_reform_2016)

kerroin
Tassu. Se oli hyvä
ni nukkuu pehmeään
päällä. Se oli hyvin
oira. Tassu sai jokato
sai mehukkaita
sikein

NEW NATIONAL CURRICULUM

Kaunokirjoitus on suoraviivaistunut vuosikymmenien aikana

1931

1950

Aa

Aa

Hh

Hh

17?

17?

1986

2004

Aa

Aa

Hh

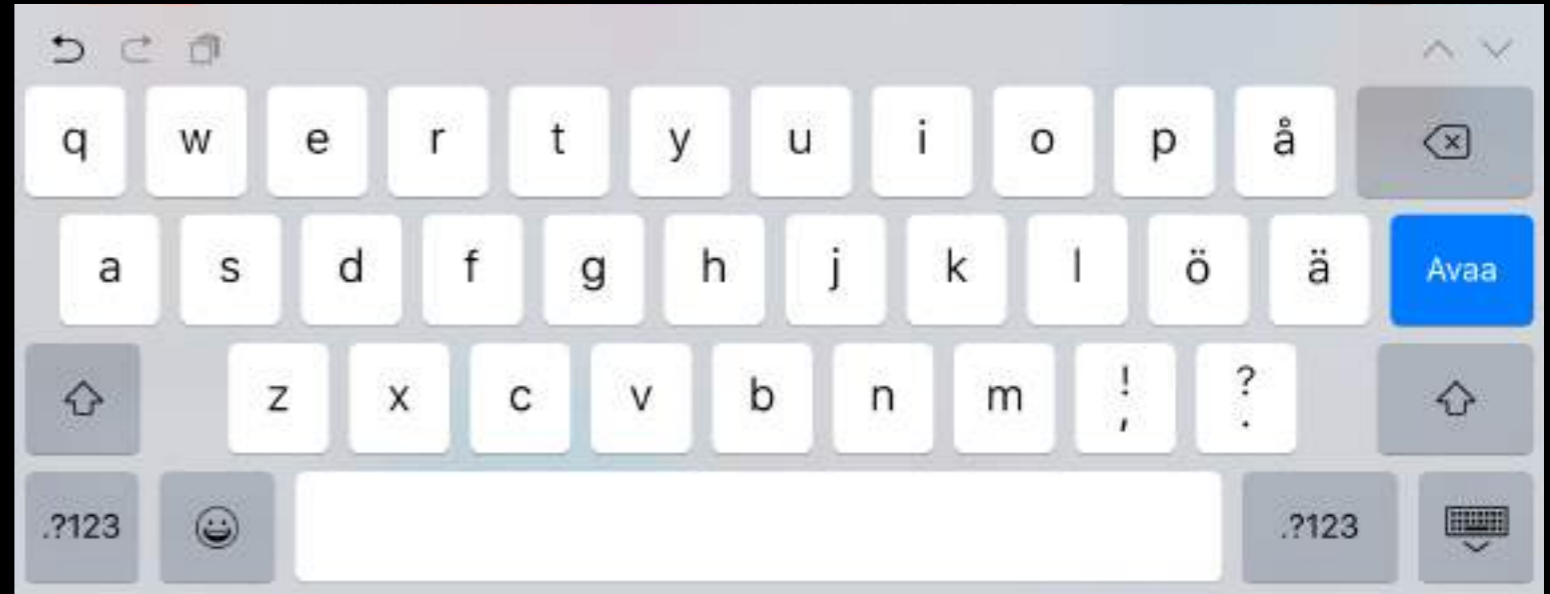
Hh

17?

17?

Lähteet: Opetushallitus ja Ringvall Leena: Käsialan opetus ja sen asema Suomen koululaitoksessa vuosina 1866–2004, pro gradu -tutkielma, Turun yliopisto, Rauman opettajankoulutuslaitos, 2007

Koonnut: HEIDI LÄMSÄ HS, grafiikka: PETRI SALMÉN HS



ABCDEFGHIJ
KLMNOPQRSTU
VWXYZÅÄÖ
abcdefghijklmnopq
rstuvwxyzääö

OPETUSHALLITUS
Koulutuskeskus, Helsinki ja muut osastot
1.8.2010
© 2010 Lamsä HS, Ringvall

0123456789
-.,!/?€

WHAT WILL CHANGE?

PHENOMENON 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

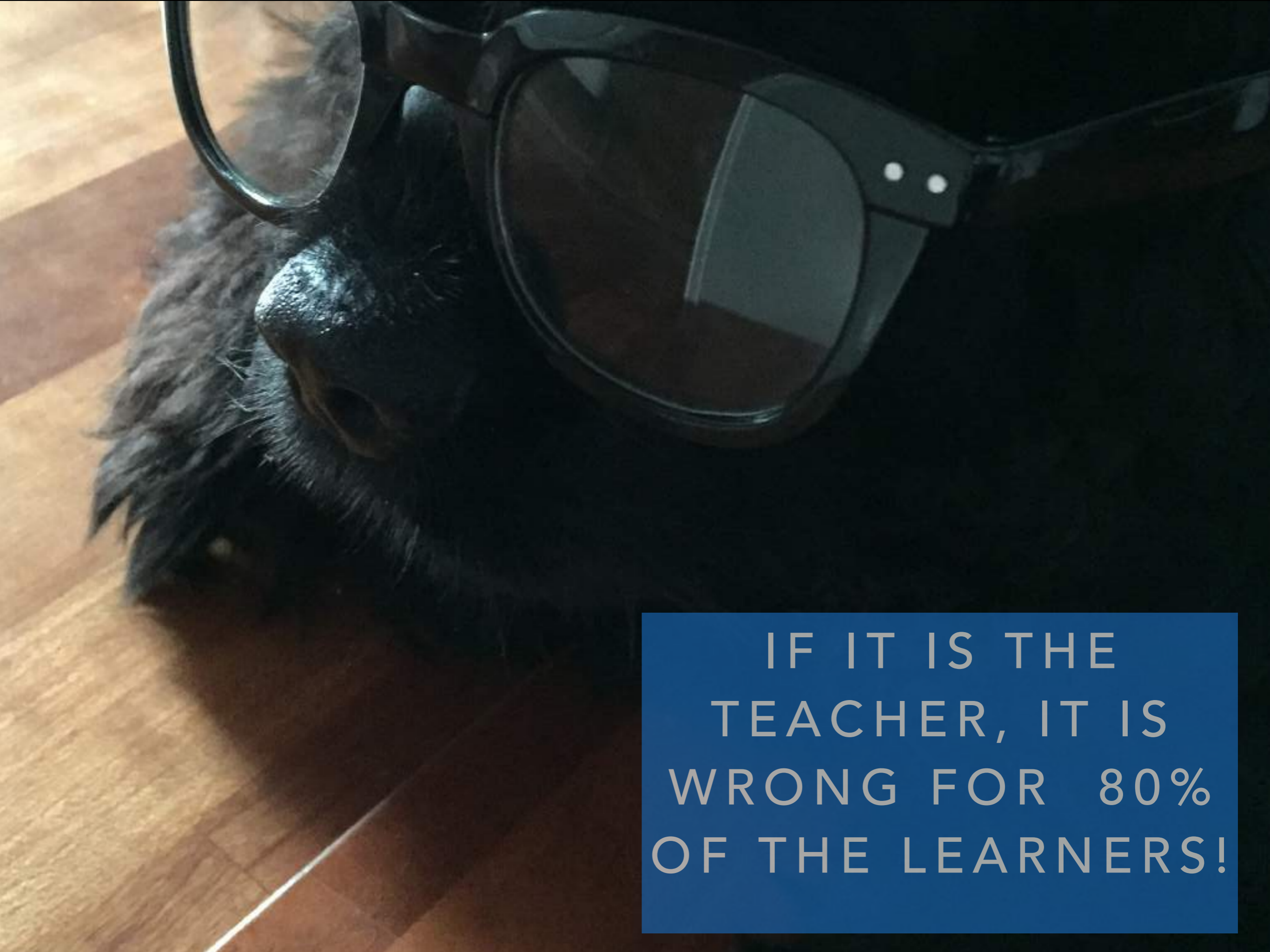
COMMUNICATION

COOPERATION



WHO SHOULD
CHOOSE
THE AIMS?
THE LEVES?

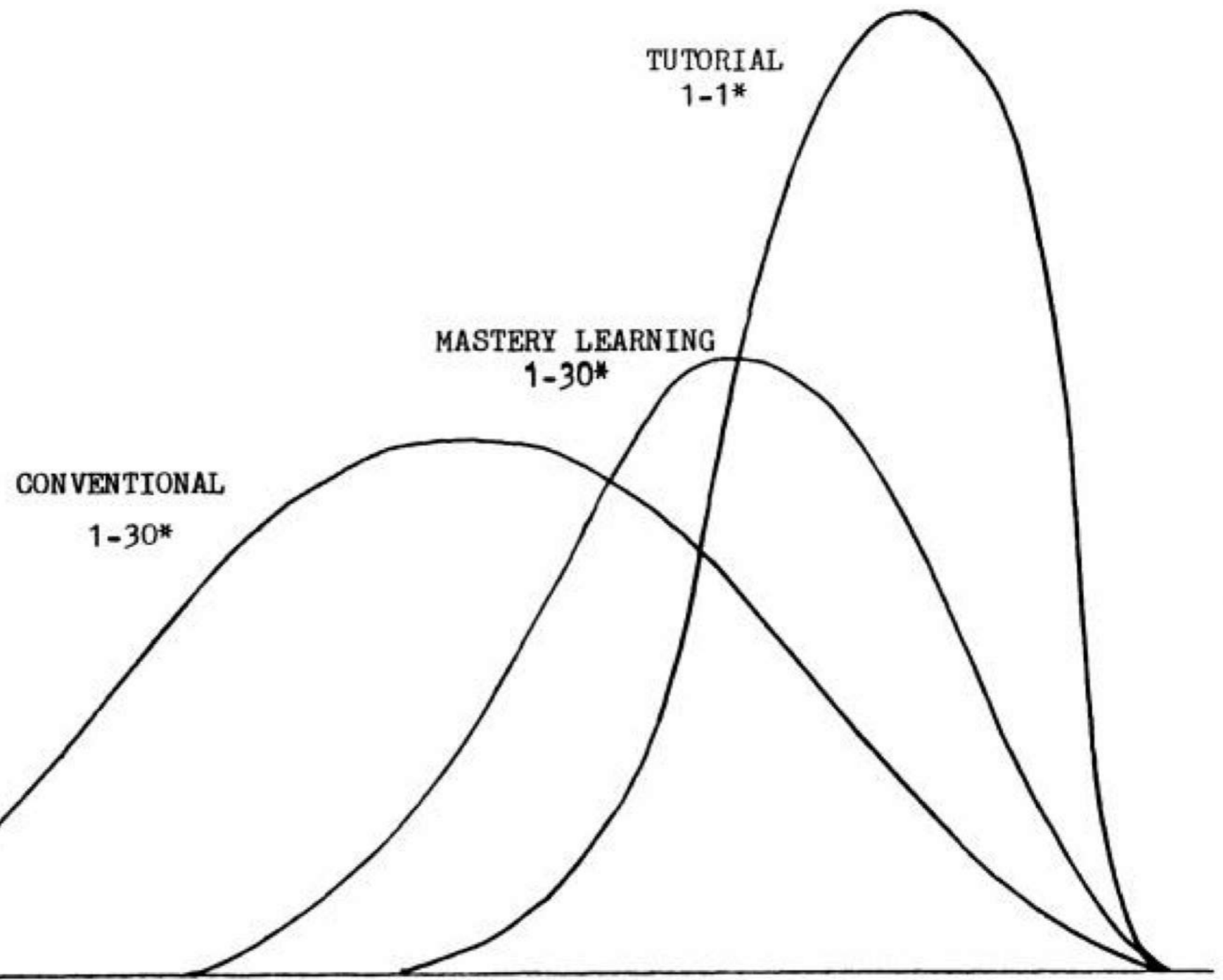
- a) TEACHER
- b) STUDENT
- c) SCHOOL HEAD
- d) EDU DEPARTMENT



IF IT IS THE
TEACHER, IT IS
WRONG FOR 80%
OF THE LEARNERS!

Mastery Learning

(Bloom 1971, 1984)



Summative Achievement Scores

Pekka Peura 2014

*Teacher-student ratio



DON'T READ TO YOUR
TEST
- THAT SHOWS ONLY
WHAT YOU HAVE
MEMORIZED YESTEDAY

HOW MUCH HOME
WORK?

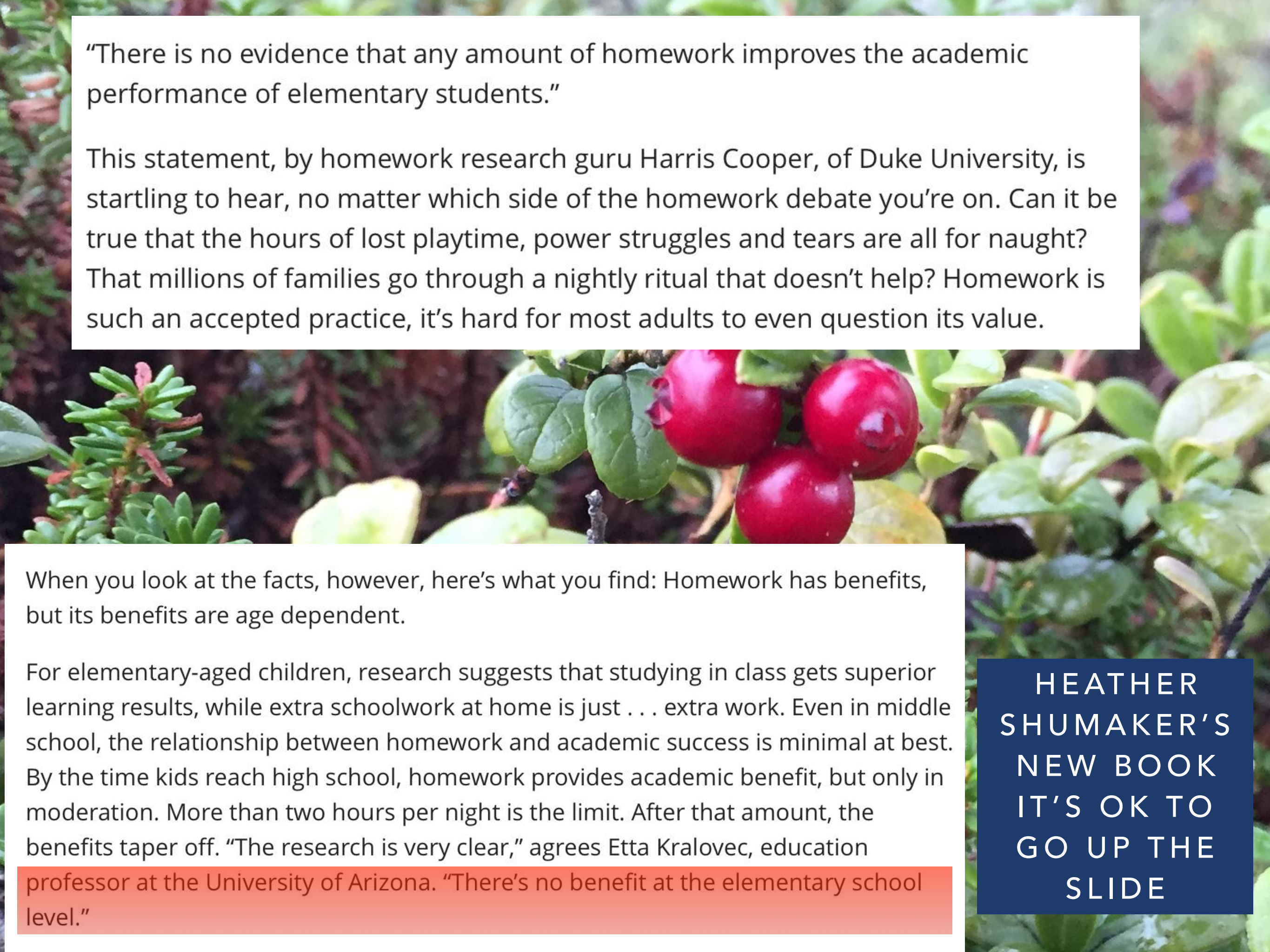
A) NOTHING OR <15 MIN

B) <30 MIN

C) <1H

D) 2H OR MORE





“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.

When you look at the facts, however, here's what you find: Homework has benefits, but its benefits are age dependent.

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



Überblick

1. Bestimme Volumen und Oberfläche des gegebenen Prismes:

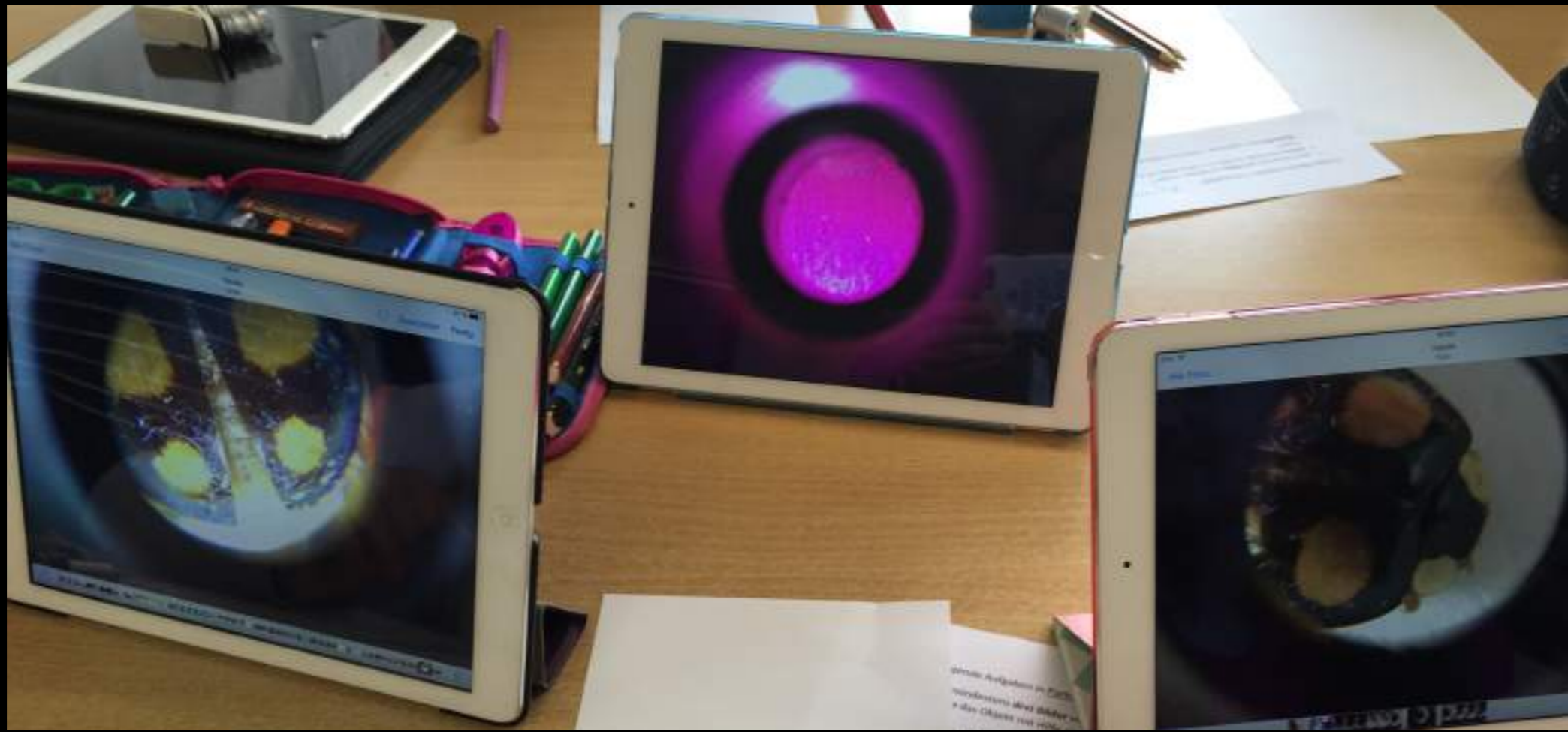


2. Bestimme Volumen und Größe der Oberfläche des gegebenen Zylinders:
a) $r = 15 \text{ cm}$, $h = 25 \text{ cm}$
b) $r = 7,5 \text{ cm}$, $h = 13,4 \text{ cm}$
c) $r = 42,25 \text{ cm}$, $h = 7,75 \text{ m}$
d) $d = 27,0 \text{ cm}$, $h = 2,5 \text{ dm}$

3. Welche Masse hat ein Zylinder mit $r = 8,5 \text{ cm}$ und $h = 10 \text{ cm}$?

math
mati

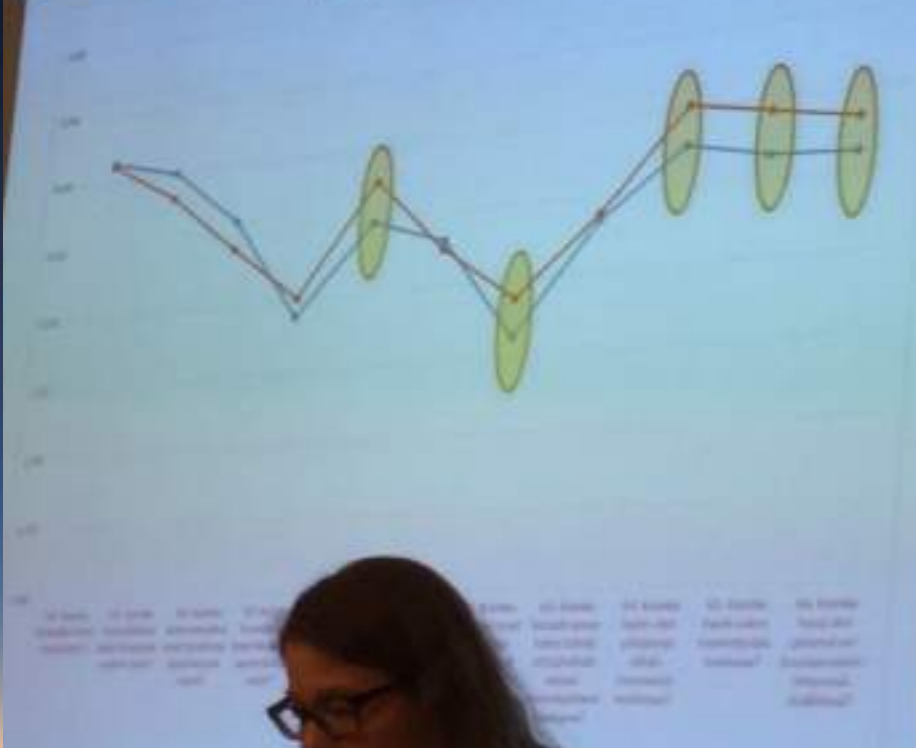
4



ANY PROOF?

- * HIGHER MOTIVATION
- * ENCOURAGEMENT
- * HELPS TO LEARN/UNDERSTAND
- * ACTIVATE ROLE OF YOUR OWN LEARNING
- * BUILDING KNOWLEDGE
- * SELF-STEERING/BETTER STEERABILITY/GUIDANCE
- * BOYS ENGAGEMENT/BETTER GAINING

Tytöiden ja poikien suhteita kouluryhmissä



Oppimistulokset suhteessa sukupuoleen



- The introduction of digital technology has had a positive impact on the development of children's literacy and numeracy skills

"We have found that attainment has increased in a lot of areas because the children are more engaged," she said.

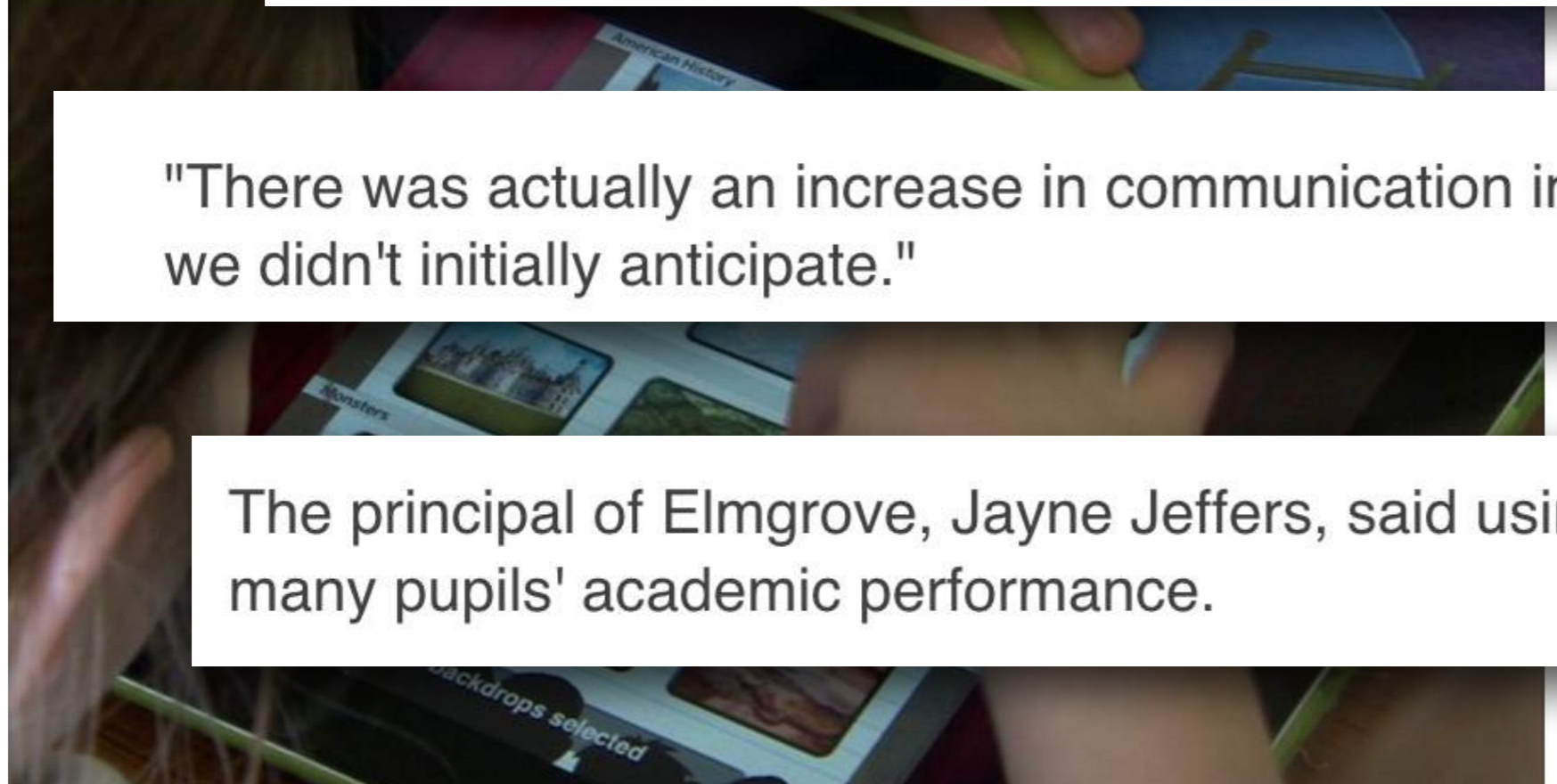
By Robbie Meredith
BBC News NI Education Correspondent

🕒 24 May 2017

- Boys appear to be more enthused when using digital technology, particularly when producing pieces of written work

"There was actually an increase in communication in the classroom, which we didn't initially anticipate."

The principal of Elmgrove, Jayne Jeffers, said using iPads had improved many pupils' academic performance.



IPADS HELP LEARNERS TO

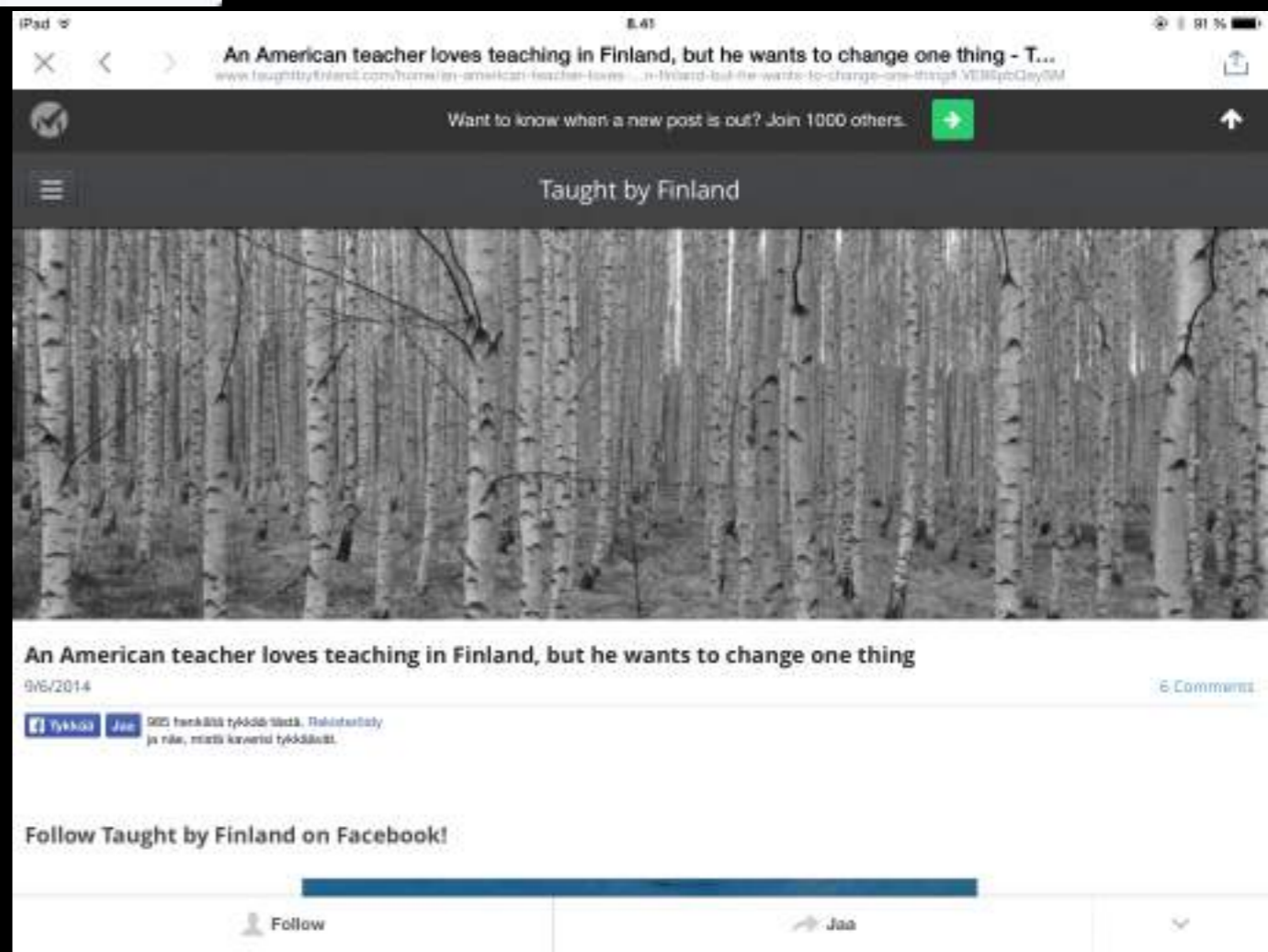
- repeat and learn more/deeper/better - SEN-students
- gain better fine motor coordinational skills
- present their thoughts (via pics and text to speak)
- engage (learning & processes, ownership)
- feel the sence of community (take part)
- become authors & publishers
- put their concentrational skills in a test
- save the planet - less paper, copies, litter and ink

IPADS:

- make learning personal (learner's own intrest) and fun
- support story writing skills
- ease documentation & school and home co-operation
- are a learning tool (paper & pencil), a book, a source of information, a recorder, a camera, game...
- are easy to use - even for SEN



Am I being biased?



ALL IN ALL

PEDAGOGICAL FREEDOM

LET'S FINNISH TEACHERS TEACH THEIR LEARNERS TO

LEARN - NOT JUST TO PASS A TEST

HOLISTIC GROWNTH - U D L

SCHOOL NEEDS TO BE READY TO RECEIVE

ALL CHILDREN JUST AS THEY ARE

UPDATE YOUR PEDAGOGICAL APPROACH

AND LOOK AT THE STUDENTS' FUTURE

TECHNOLOGY WILL NOT GO AWAY

TIME

Never Offline.

The Apple Watch is just the start. How wearable tech will change your life—like it or not

BY LEV GROSSMAN
AND MATT VELLA



[HTTP://YOUTU.BE/C9EGZ9HXFEI](http://youtu.be/C9EGZ9HXFEI)

Teacher Compliments Students And It's Turning His Classroom Around



0:00

1:05



A photograph of the Aurora Borealis (Northern Lights) in a dark night sky. The aurora displays vibrant green and purple hues, with a large, bright green arc on the right side. In the foreground, the dark silhouettes of several pine trees are visible against the glowing sky.

@PILMONEN
PETRI.ILMONEN@KVL.FI

RESOURCES: WWW.VISITFINLAND.FI WWW.OPH.FI WWW.OPM.FI
WWW.OECD.COM

CNN NEWS REPORT

Takaisin ohjelmaan Safari 17.46



0:00 2:58

Education Finland has best education system in the world NBC NightlyNews_09292010

181 426 näyttökertaa

676 12

The image shows a screenshot of a YouTube video player. At the top, there is a navigation bar with a back arrow, the text 'Takaisin ohjelmaan Safari', and the time '17.46'. The video frame shows a male news anchor in a dark suit and a purple and white striped tie. To his right, there is a white rounded rectangle containing the 'Education Nation' logo, which consists of four colorful abstract shapes (blue, yellow, red, purple) and the text 'Education Nation'. Below the video frame is a progress bar showing '0:00' and '2:58'. Underneath the video frame, the video title 'Education Finland has best education system in the world NBC NightlyNews_09292010' is displayed, followed by the view count '181 426 näyttökertaa' and engagement icons for likes (676) and comments (12).

http://youtu.be/0_9s3A2pcA





GOOD TEACHERS

USE

GOOD TOOLS