

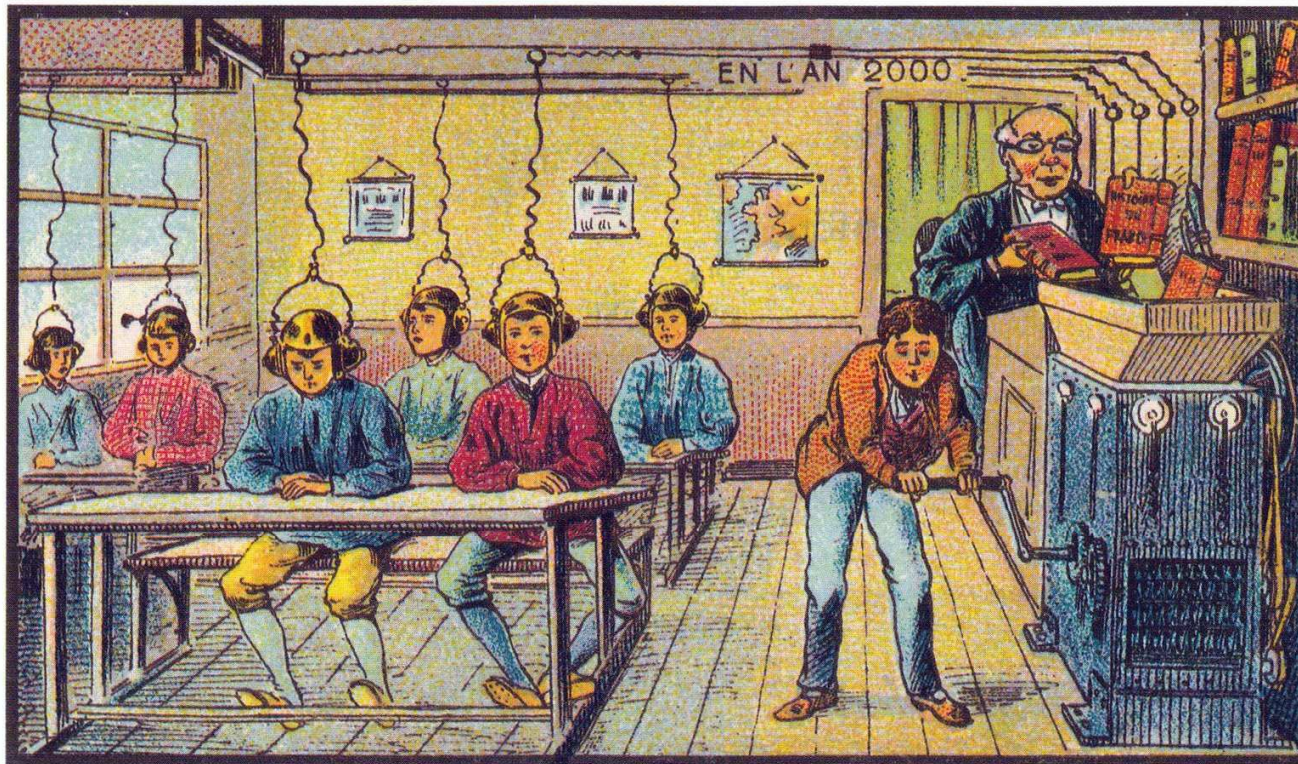


Organización
de las Naciones Unidas
para la Educación,
la Ciencia y la Cultura

Tendencias internacionales en innovación educativa

27 Agosto 2018

Francesc Pedró



At School

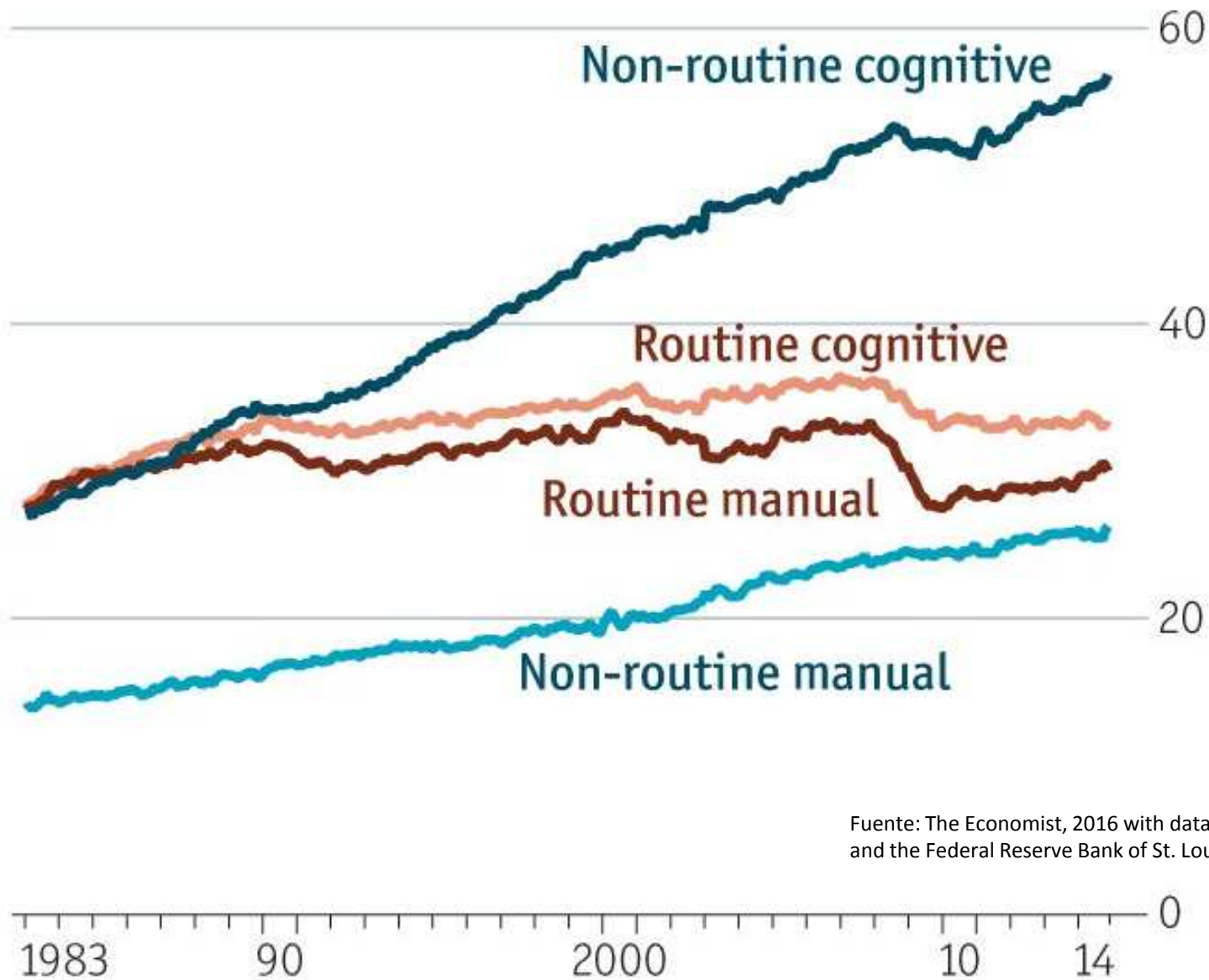


¿Hay algún error en esta imagen?

La innovación
educativa es hoy un
imperativo
económico, social y
tecnológico

Las escuelas siguen evaluando rutinas

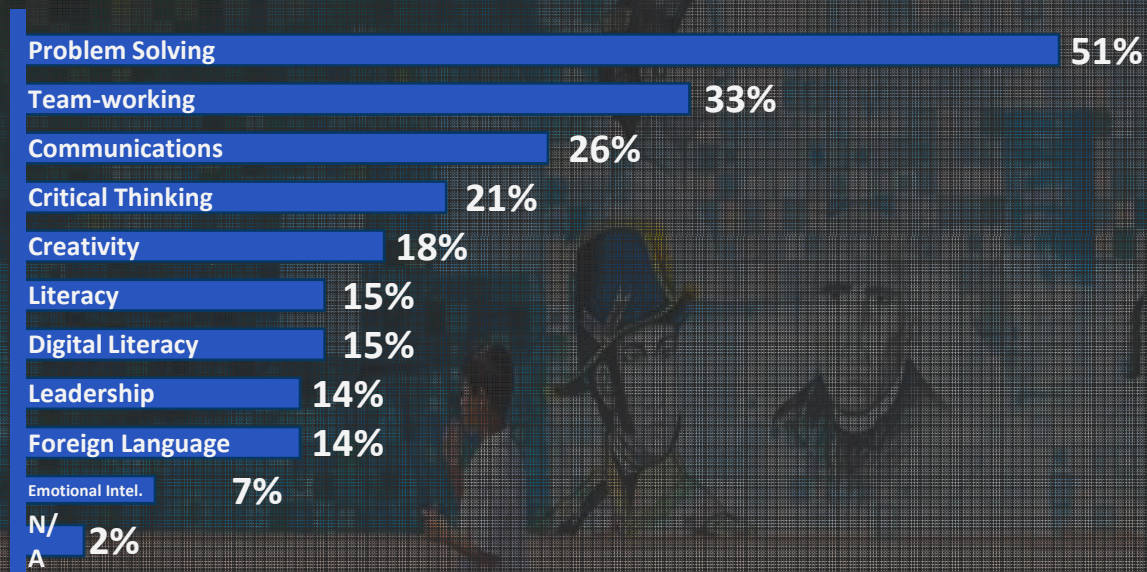
Evolución del número de lugares de trabajo en los EUA (en M) por tipo predominante de competencias, 1983-2014



Fuente: The Economist, 2016 with data from the US Population survey and the Federal Reserve Bank of St. Louis

¿Preparan las escuelas para las competencias que se esperan?

Competencias más demandadas por las empresas en el Reino Unido, 2016



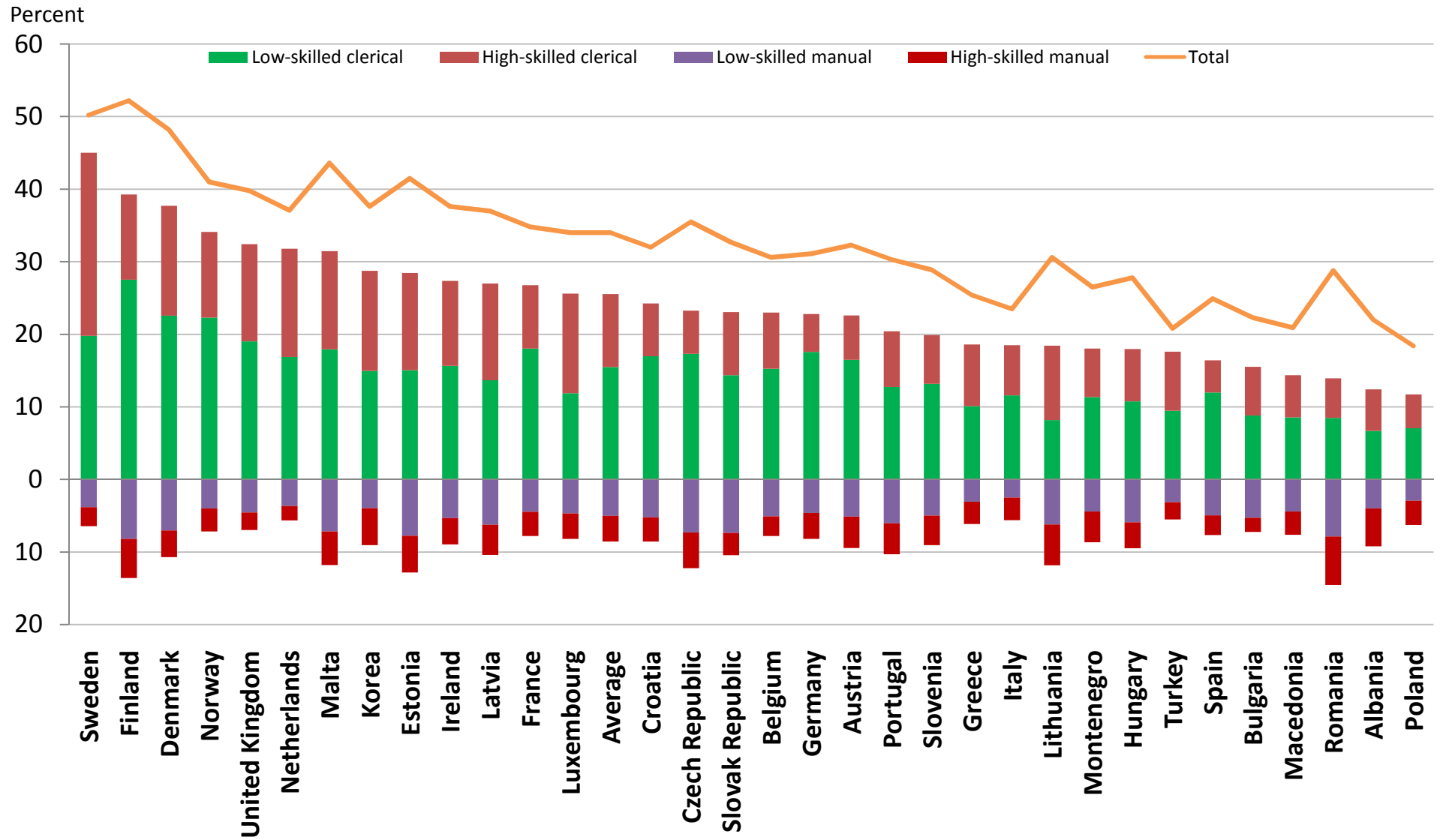
Fuente: The Economist, 2016



La complejidad es la riqueza de nuestra sociedad

La tecnología lo ha cambiado todo, menos la escuela

Percentage of workers who reported the introduction of new process or technologies in their current workplace during the previous three years that affected their work



Source: European Working Conditions Survey, 2010. See Tables A1.7a and A1.7b.

Las evaluaciones internacionales nos recuerdan que las competencias son la moneda del siglo XXI





La innovación es, por encima de todo, una exigencia pedagógica



Las innovaciones más
extendidas afectan al
currículum



1. Las reformas curriculares adoptan las competencias específicas y transversales

Fuente: UNESCO, 2017.



2. También las competencias digitales, más allá de la operativa

Fuente: UNESCO, 2017.

STEM



Science • Technology • Engineering • Math

3. Cada vez se presta mayor atención a STEM



4. Se promueve la programación y la robótica desde primaria

Las innovaciones más
complejas afectan a
los procesos
pedagógicos

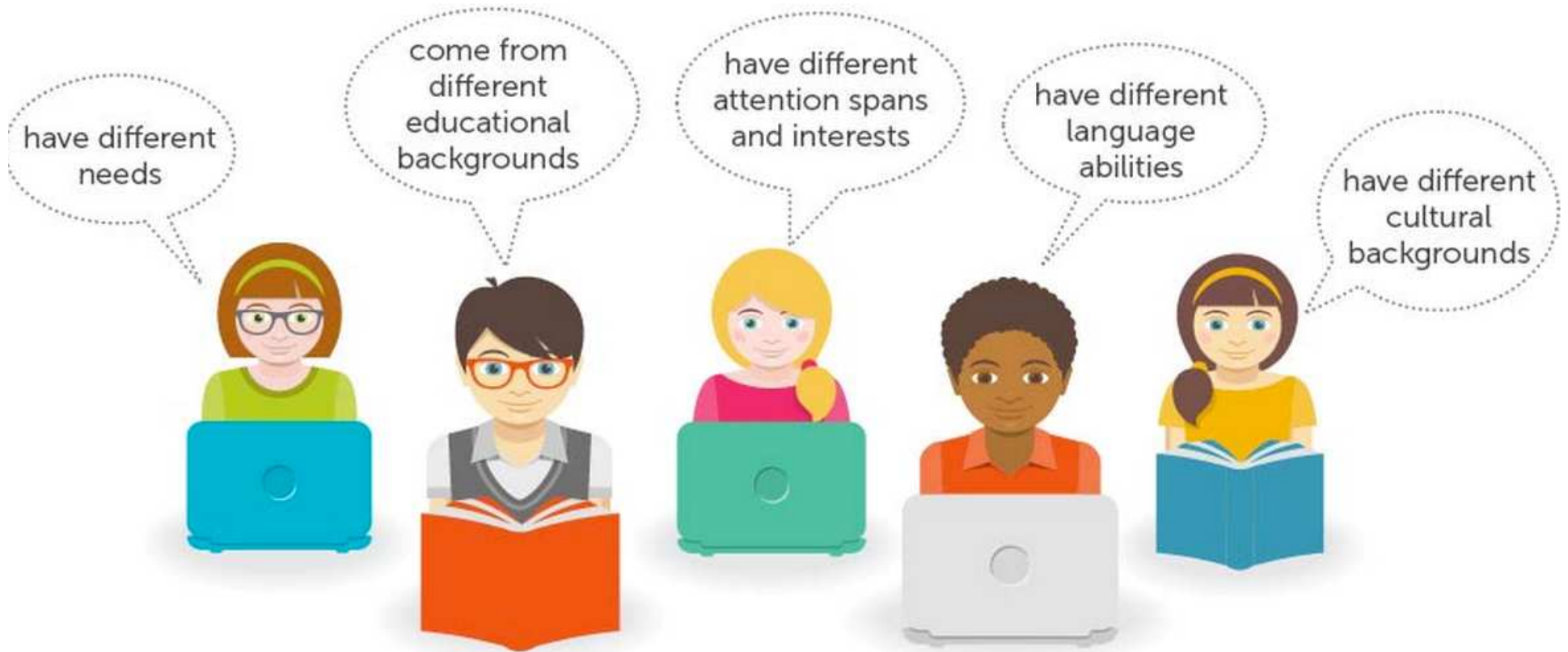


1. El ABP emerge como el nuevo estándar pedagógico

Fuente: UNESCO, 2017.

WHY DIFFERENTIATED INSTRUCTION?

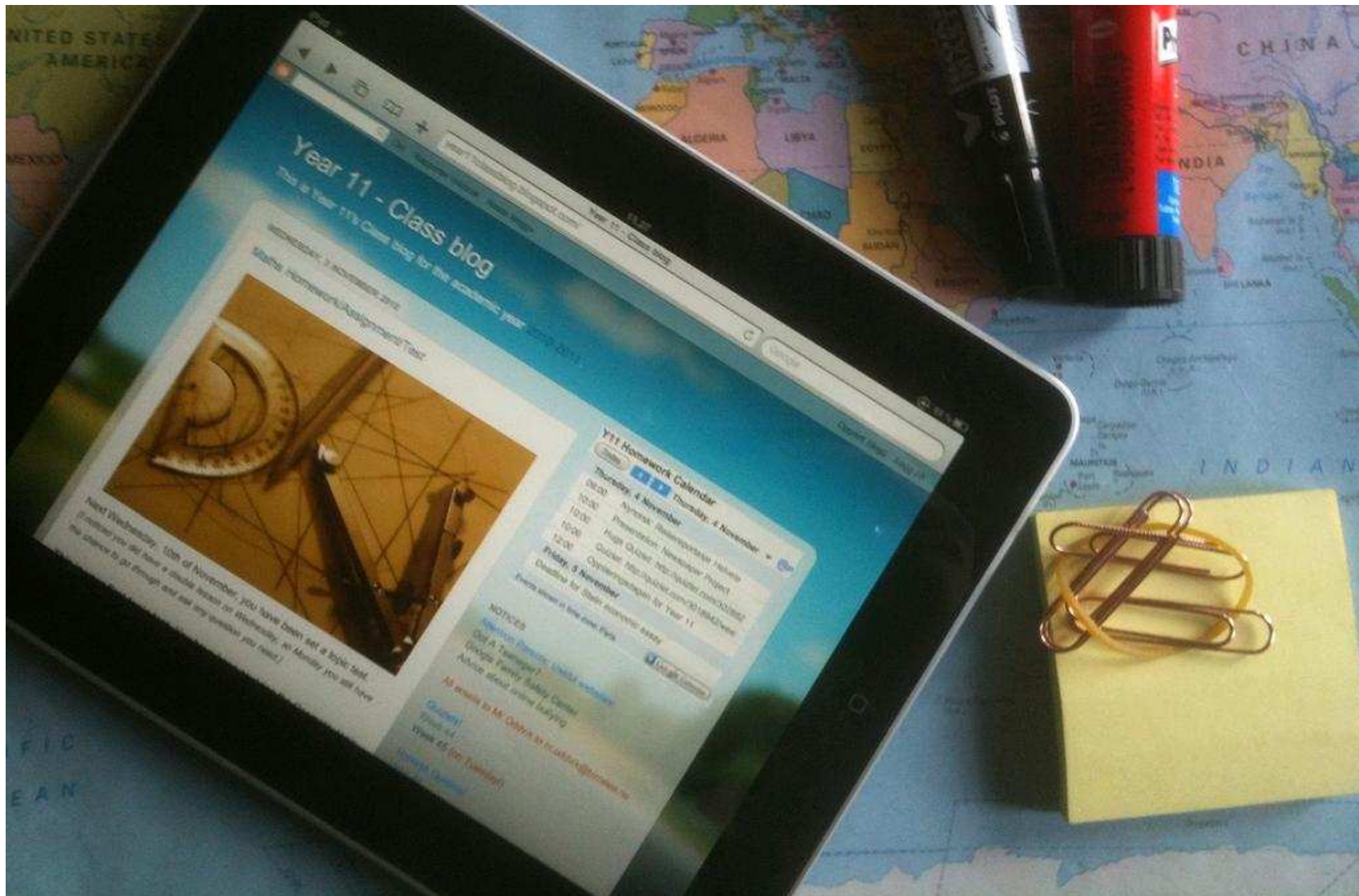
Classrooms are filled with students who:



2. La personalización es una solución necesaria y exitosa

Fuente: UNESCO, 2017.

La tecnología es una
ventana de
oportunidad para la
innovación



1. El cambio tecnológico no es sinónimo de innovación

Fuente: UNESCO, 2017.

Handwritten text, possibly a signature or name, in a cursive script. The text is faint and difficult to decipher, but appears to be a single line of writing.

Contenidos

Plataforma

Aplicaciones





Las aplicaciones optimizan procesos

Ganar tiempo

Regular communication with families



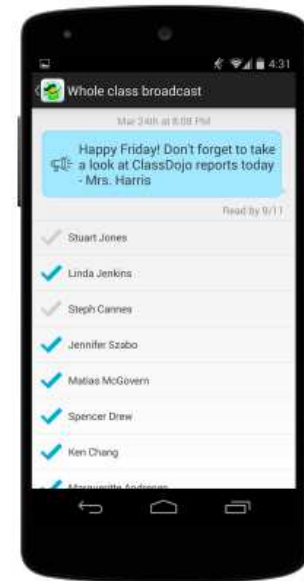
Empowering families as stakeholders



Really proud- Tim encouraged his classroom buddy to get involved too!

✓ Seen at 3:35 PM

Simple Read Receipt showing the parent saw this message at 3.35 PM



Broadcast with detailed Read Receipts on ClassDojo Messaging

Mayor calidad de procesos

Prescriptive feedback

Although some of the loans did achieve their intended aims, but many went to the funding of large projects that were not well-matched to the needs of the countries in which the projects were undertaken. Moreover, the funds intended for development projects often were diverted either to local elites or to the operations of military dictatorships. Many of the loans had been made at floating interest rates, so their repayment became very difficult when worldwide interest rates rose circa 1980. Repayment was made even more difficult by falling commodity prices and by the fact that the loans themselves had often not been put to any productive use.

Dynamic rich feedback

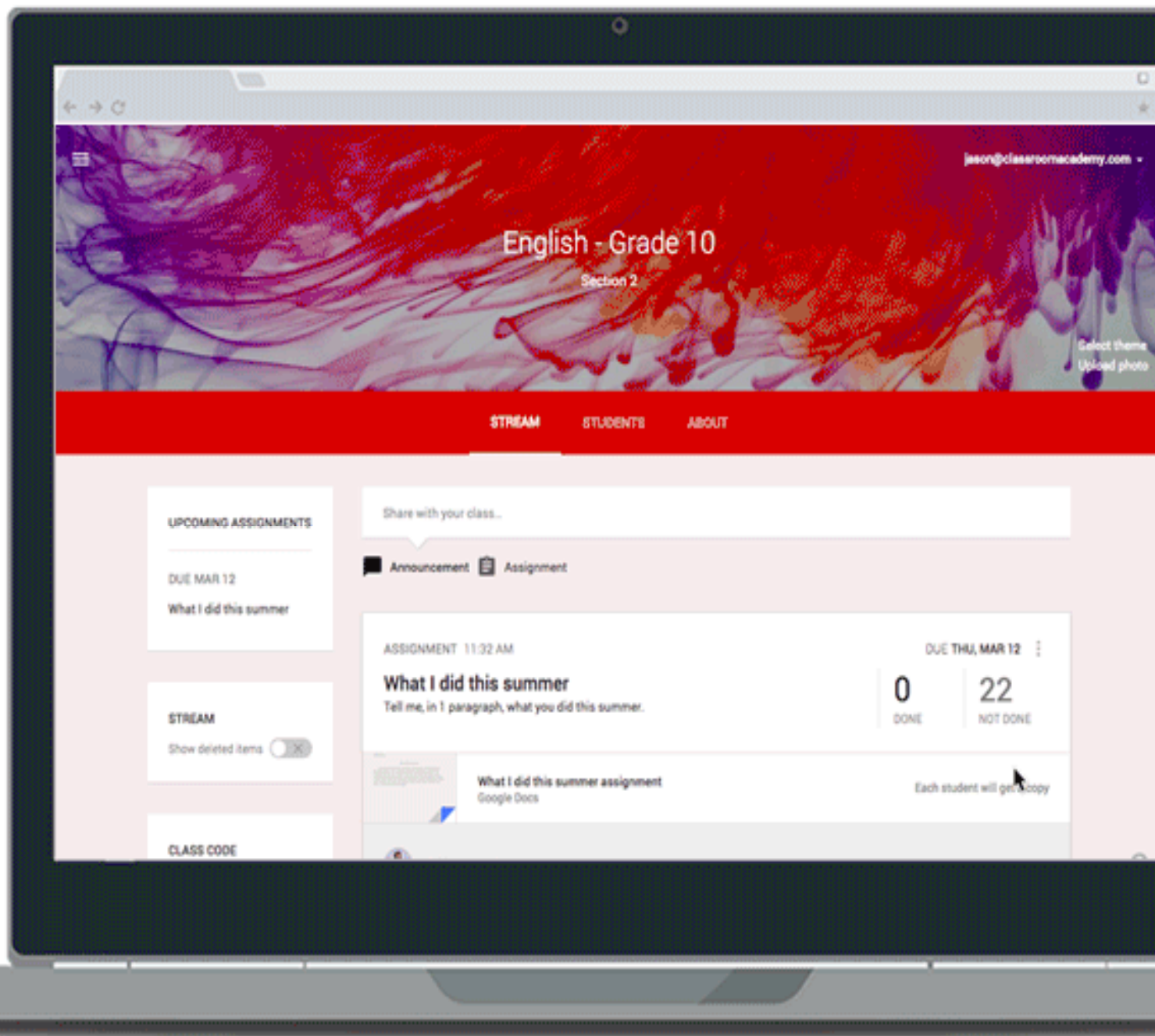
Highlight and Speak



Kaizen is a **fast and simple** way to add voice comments, text comments and resource links to student work.

Just highlight, and do what you do best: helping your students improve.





jason@classroomacademy.com

English - Grade 10

Section 2

Select theme
Upload photo

STREAM STUDENTS ABOUT

UPCOMING ASSIGNMENTS

DUE MAR 12
What I did this summer

STREAM
Show deleted items

CLASS CODE

Share with your class...

Announcement Assignment

ASSIGNMENT 11:32 AM

DUE THU, MAR 12

What I did this summer

Tell me, in 1 paragraph, what you did this summer.

0
DONE

22
NOT DONE



What I did this summer assignment
Google Docs

Each student will get a copy

Loudon Middle School

Find Teacher, Student or Class



Francisco Martinez

Grade 3 English: Mrs. Zbornak

Estimated Skills Proficiency



- Minimal 49%
- Partial 28%
- Basic 15%
- Proficient 11%
- Advanced 3%

23% (class average)
Proficiency and Above

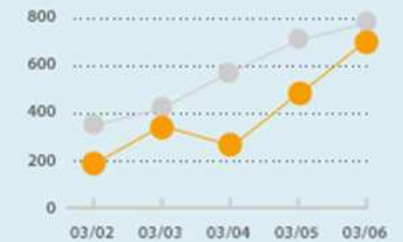
Assignments



- Behind 49%
- On Track 28%
- Ahead 15%
- Completed 11%

3 (class average)
Assignments completed

Activity



Avg active student time per week: ↑ 1hr 40 min
Total active student time (this school year): 90hr 40 min

1hr 40mins (class average)
Active time per week

Teachers



KNEWTON

Tags content to improve predictive power of Knewton system

Makes capital investment in Knewton

Shares data from its software to help Knewton improve platform

Powers Pearson's My Labs and Mastering software (10 million students)



PEARSON

2. La tecnología seguirá dando que hablar en educación

Fuente: UNESCO, 2017.



Clase tradicional

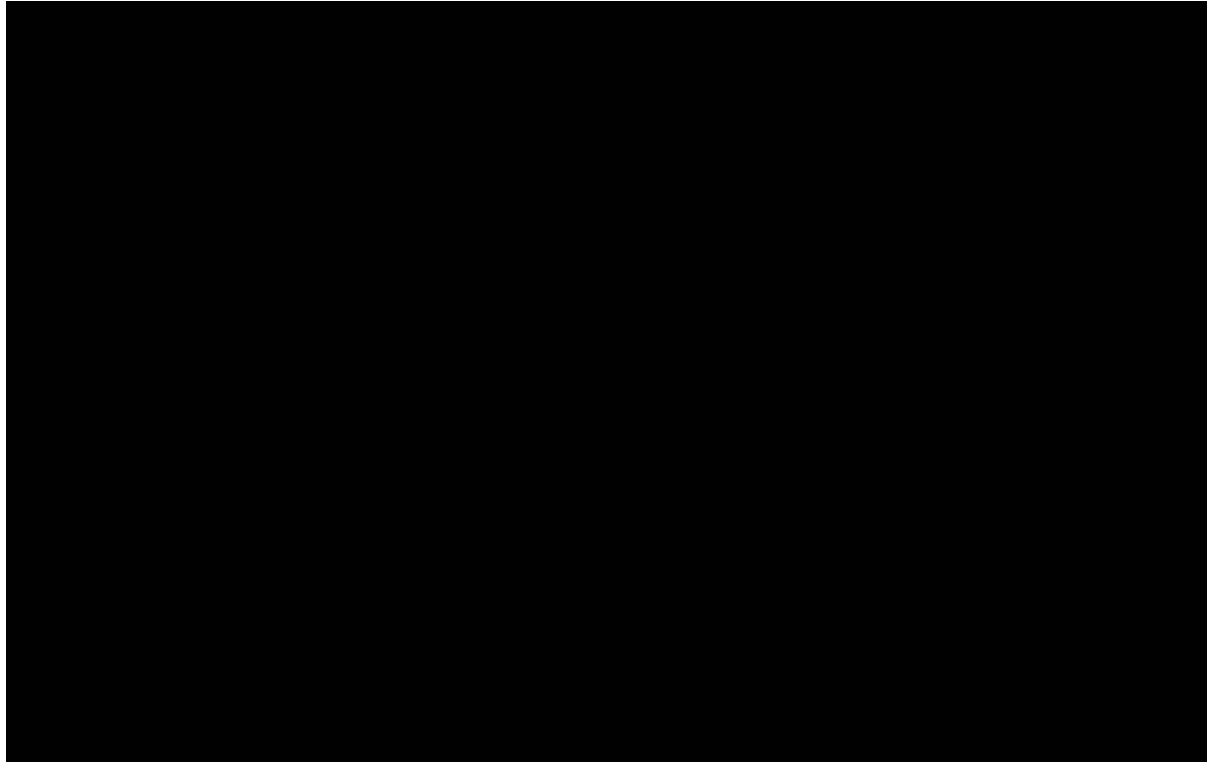


Clase invertida



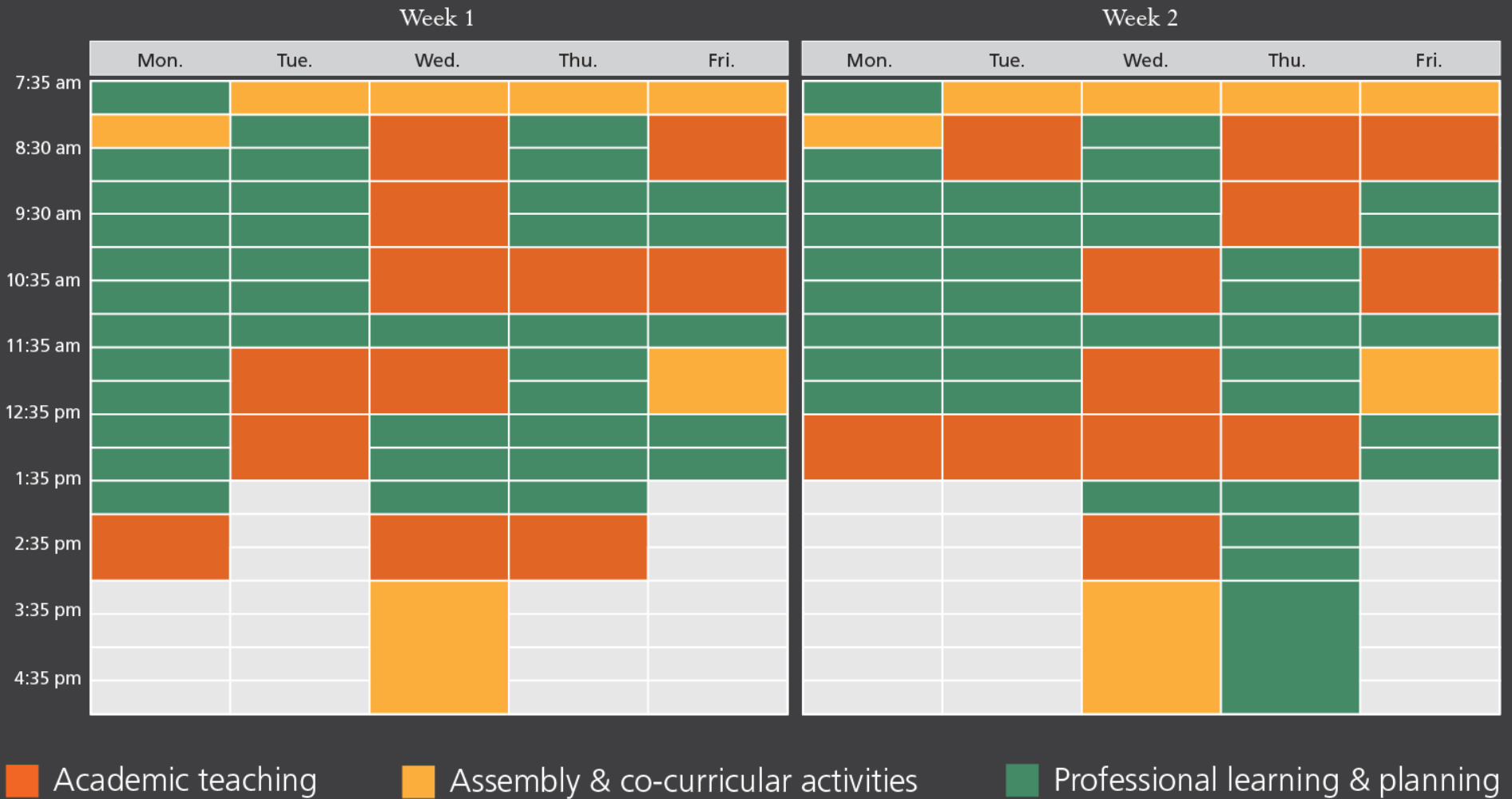
© 2011, 2012

2. La verdadera innovación soportada por la tecnología promueve cambios pedagógicos de segundo orden



La cultura de la
innovaci3n exige
cambios organizativos
y un liderazgo
pedag3gico

Rosmiliah's Schedule



La innovación rebasa los límites del contrato docente tradicional

Horario de un docente de ciencias en una escuela secundaria ordinario en Singapur (2016)

Instructional Leadership

Portin et al, 2003:



All schools need instructional leaders who ensure the quality of instruction

Fullan, 2014:



'Principals need to be specifically involved in instruction so that they are knowledgeable about its nature and importance, but if they try to run the show down to its last detail, it will have a very brief run on Broadway indeed'

Hargreaves & Fink, 2003:



Effective leaders understand that they cannot reach instructional goals alone

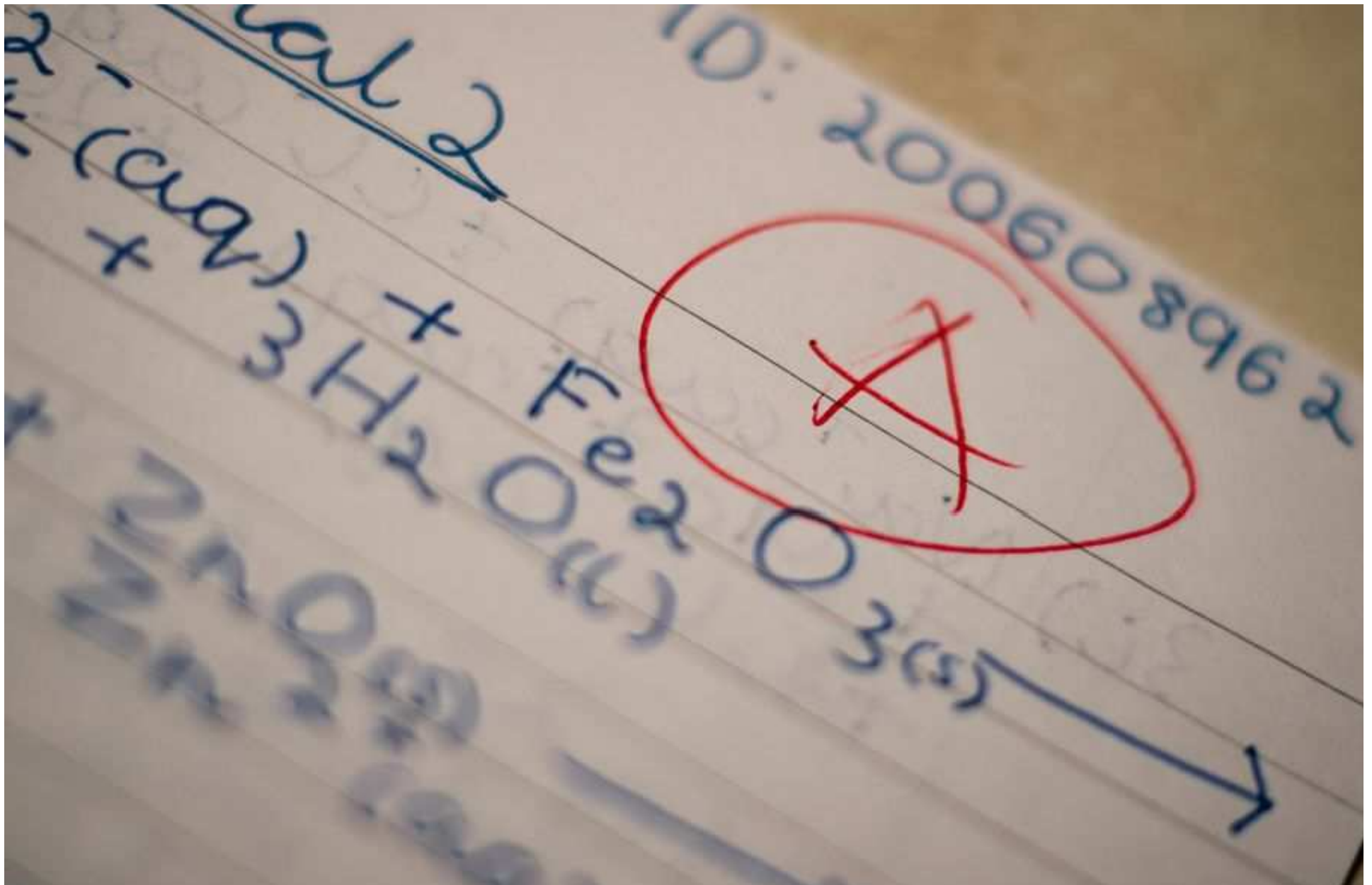
Solo el liderazgo pedagógico puede facilitar la Innovación sistémica

Fuente: UNESCO, 2017.

No hay que olvidar los
riesgos



El primer riesgo es el efecto Mateo



El segundo riesgo es el menosprecio de la evaluación

Fuente: UNESCO, 2017.



El tercer riesgo es la fatiga docente

Para sacar partido de
la innovación los
sistemas deben
promover la cultura de
la evidencia



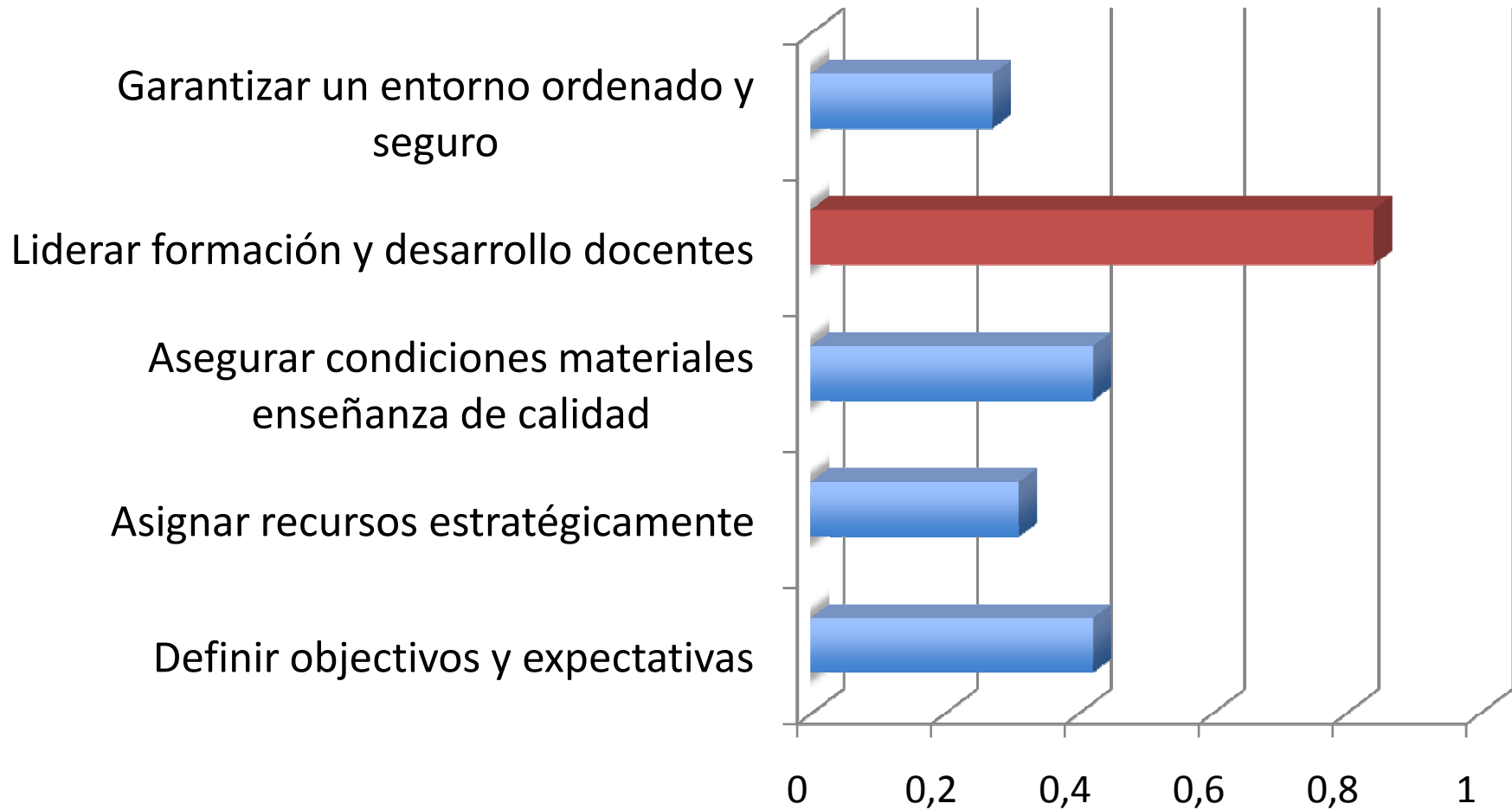
Tenemos más de un siglo de innovaciones, ¿sin éxito?



Fuente: noticias.infocif.es

La verdadera Innovación debe demostrar que añade valor

Effect size (Robinson, 2011)



Hay que avanzar con evidencias hacia la innovación sistémica

Fuente: UNESCO, 2017.

Muchas gracias

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Ya disponible en:



/francescpedro

Más en:



@FrancescPedroED



/francesc.pedroED