



International

Schools

Teaching Science and History with IPads in the DP Flipped Classroom

Ana Belén Frías López-Tofiño Raúl Gonzalo Estébanez Jorge Moreno Sánchez A presentation for the IBAEM Regional Conference in The Hague October 24-27, 2013









Spain • France • Ireland • Qatar

Information: +34 902 80 80 82

- 9 Schools, 1 University
- International Programmes
- Study Abroad Programmes
- Summer Camps



International Schools Est. 1892 International School SEK el Castillo Madrid, Spain



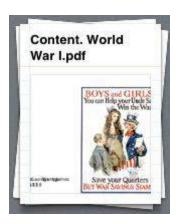


SEK-El Castillo

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A common platform The History IB Notebook





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Paper	2, 2013
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1. 1 May (11) (1400-00)	
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EVERNOTE

History notebook

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Content. Conferences The Tehran Conference was a strategy meeting held between Joseph Stalin, Franklin D. Ro...



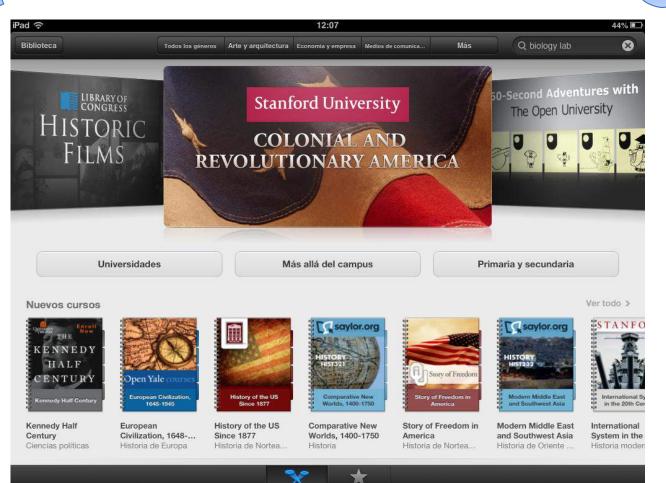
Content. Arms race after 1871

Adapted from teacherweb.com/ After 1871, the war atmosphere engendered by the secret alliances led to an armaments race among the powers. The race was particularly serious be...





This year in iTunes U







SEK-EI Castillo

Top chart



International Schools Est. 1892 SEK IN ITUNES U

Library	HISIB2: History IB- 2 Q	Teb
Library		
All (17)	POSTS ASSIGNMENTS	
Jnit 6. European diplomacy 🜀	Announcements	
Init 8. Interwar years: confl 🜀	What Paper 3 is about 04/09/2013 Take a look at the tasks will be studying this user	
Jnit 6. Interwar years: confi 😈		
Jnit 10. Second world war 🚯		
	Unit 6. European diplomacy 1870-1923	
	1.1. Content. Balance of power 09/07/2013 http://sparksnotes.com 09/07/2013	
	a summary of the balance of power	>
	A power point on the balance of power	
	1.1. Arms race 09/07/2013	
	The reasons why the European powers began the arms race http://teacherweb.com	>
	Arms race in Europe	
	1.1. Alliances. European power interests 09/07/2013	
	Read this document about what each country was looking for from http:// sunnysuffolk.edu/	
	What each European country wanted	
	A summary of the alliances	>
	Triple Alliance. Map	

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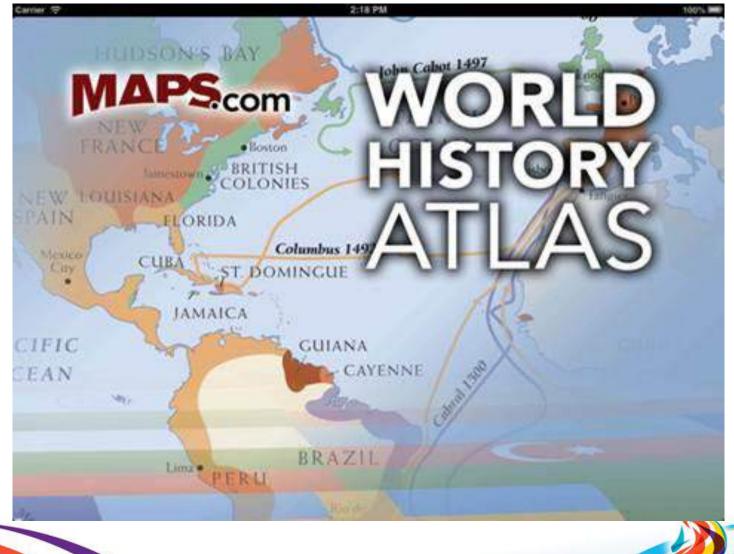
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Some interesting apps for History:







iPad 🕈

X

Est. 1892

Some interesting apps for History:

13:30

4 events October 26

Erie Canal opened to traffic, 1825.

Red Cross

The Red Cross is a worldwide network of organizations whose members work to relieve human suffering. The name Red Cross comes from the flag used by Red Cross organizations. It features a red cross on a white background. The flag honors Switzerland, where the international Red Cross movement was founded. Jean Henri Dunant, a Swiss philanthropist, founded the international Red Cross movement. He was touring Italy in 1859 during the Austro-Sardinian War. Dunant saw the field at Solferino the day after 40,000 people had been killed or wounded in a battle. Horrified at the suffering of the wounded, he formed a group of volunteers to help them. On Oct. 26, 1863, delegates from 16 nations and several charitable organizations met in



Schools Some interesting apps for History:



















Explain Everything

An iPad app to explain anything and everything











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A paper 3 History class

10. The Second World War and post-war Western Europe 1939-2000

Spain: Franco's regime and the transition to, and establishment of, democracy under Juan Carlos









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Schools Est. 1892 We watch and make a lot of videos

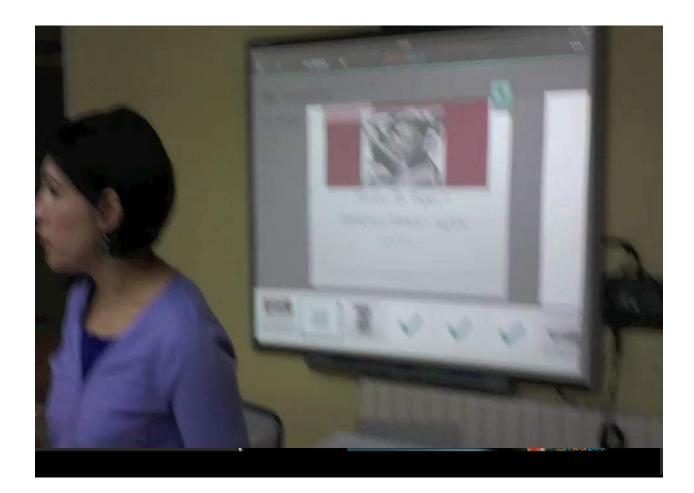


History IB. Paper 3: Francisco Franco's regime 1939-1975







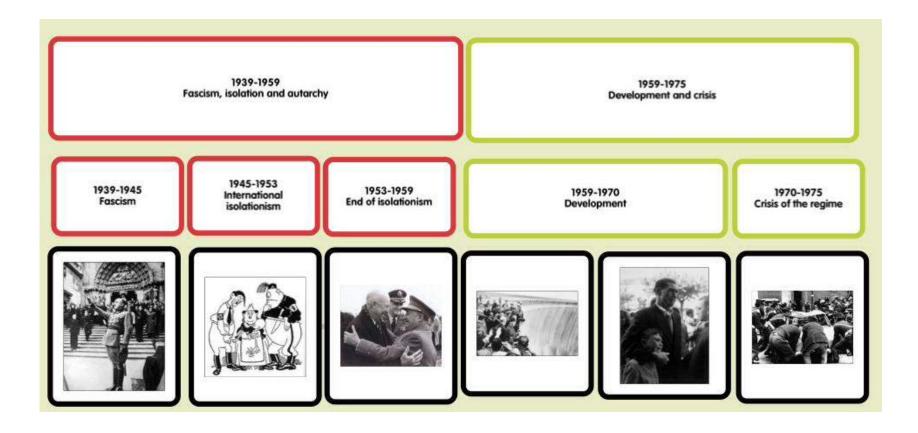








International Schools Est. 1892 Timeline Using popplet









Activity 1: Evaluate Franco's regime

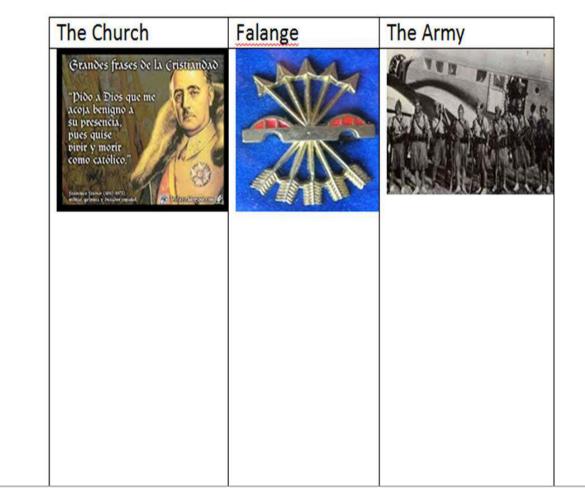


- Describe the ideology and the way Franco ruled Spain. Mention the role of the institutions
- Describe the way Franco got to power. Was there any opposition to him after the civil war
- How did Franco made sure he could control the country? Which measures did he take?
- What were Franco's policies related to education, economy and social issues?
- To what extent can we say the Franco's rule was a failure? Were there any successes?



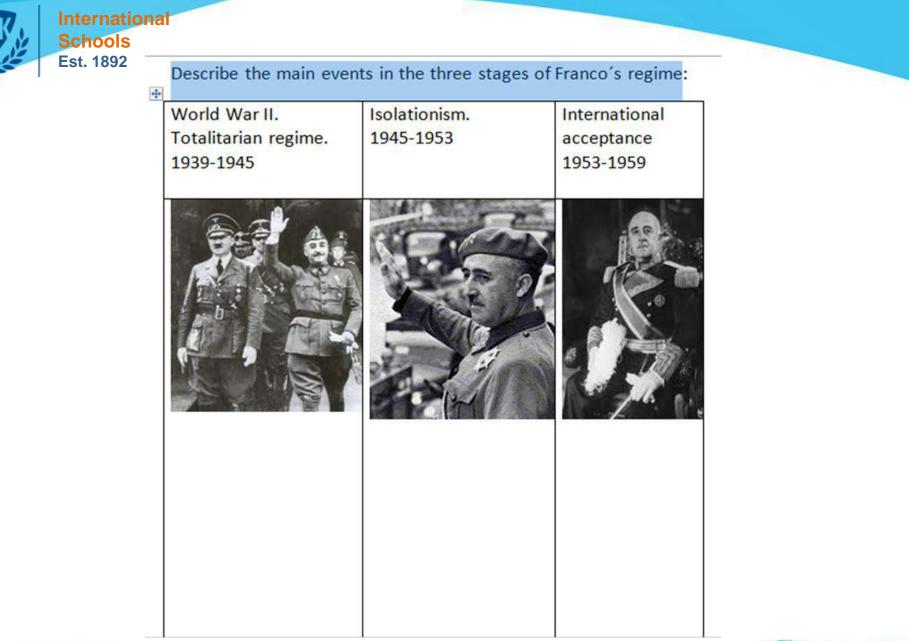


1. Describe the importance of these three institutions in Franco's regime:















Activity 2: The ideology in Franco's regime

Describe the main pillars of Franco's ideology and explain how they were implemented:

Anticommunism Totalitarianism Anti-liberalism Centralism National Catholicism Militarism Traditionalism Control of the society Corporatism Falange









Describe the historical context and explain how the law reflects the principles of fascism

LEY DE PRINCIPIOS FUNDAMENTALES DEL MOVIMIENTO NACIONAL

"Yo, Francisco Franco Bahamonde, caudillo de España, consciente de mi responsabilidad ante Dios y ante la Historia, en presencia de las Cortes del Reino, promulgo como Principios del Movimiento Nacional, entendido como comunión de los españoles en los ideales que dieron vida a la cruzada, los siguientes:

 1.- España es una unidad de destino en lo universal. El servicio a la unidad, grandeza y libertad de la Patria, es deber sagrado y tarea colectiva de todos los españoles.
2.- La Nación española considera como timbre de honor el acatamiento de la ley de Dios, según la doctrina de la Santa Iglesia Católica Apostólica Romana, única verdadera y fe inseparable de la conciencia nacional, que







SCIENCE AT SEK SCHOOLS

Biology

NOWLEDGE









2.1 Cell Theory

2.1.1. Outline the cell theory.



Robert Hooke was the first author to use the term "cell" after examining a thin sliver of cock under a microscope in 1665. But he really did not know what really has discovered. He though that the cells accords with small section of tubes with similar functions than the blood vessels.



趣

Anton van Leeuwenhoeck "Father of the Microbiology", he builds his own microscope, being the first to seeing living and single celled-forms, which he referred as animalcules. The secret of his discover was in his lens, being an expert lenmaker, but he kept the information in secret and several aspects of his microscope were kept by his own.



湖山

health and phisiology

BIO DP 4 Genetic

Beginnings of the Cell Theory





Studied the cells division and concluded that all only come from another mil-

1 Colegio SEK el Castillo. Departamento de Gencias, Biologia. R. Gonzalo

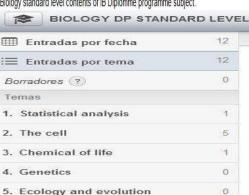


BIOLOGY DP STANDARD LEVEL

BIOLOGY SL. SCIENCE Raul Gonzalo, SEK EL CASTILLO

Creación: 3/07/13 Actualizada: 27/09/13 En sesión: 9/09/13- 31/08/14

Biology standard level contents of IB Diplomme programme subject.



6. Human physiology

- 7. Option G Ecology and cons...
- 8. Option A Nutrition and health

Añadir publicación

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9. Laboratory report

Evernote itunes U Edmodo



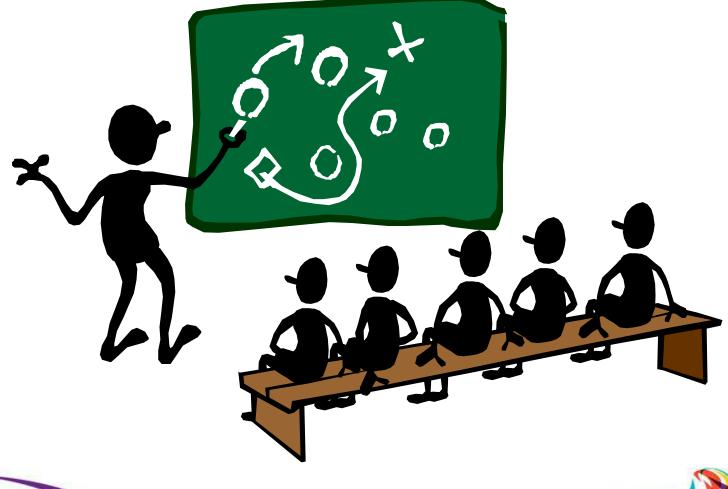






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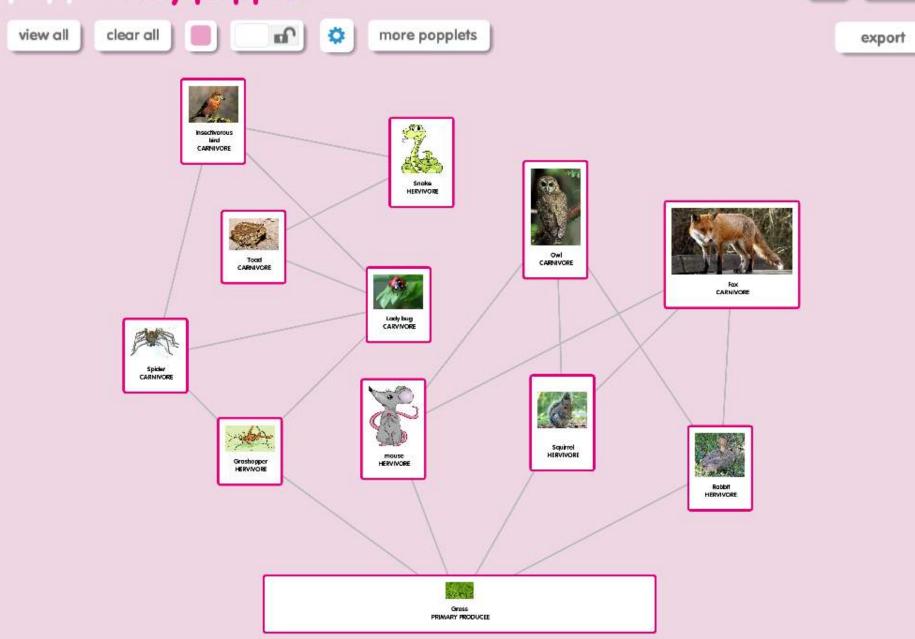






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popplet: my popplet



help

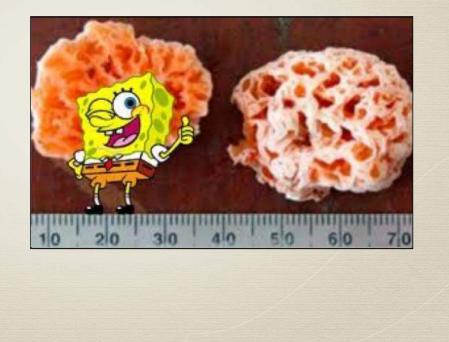
feedback





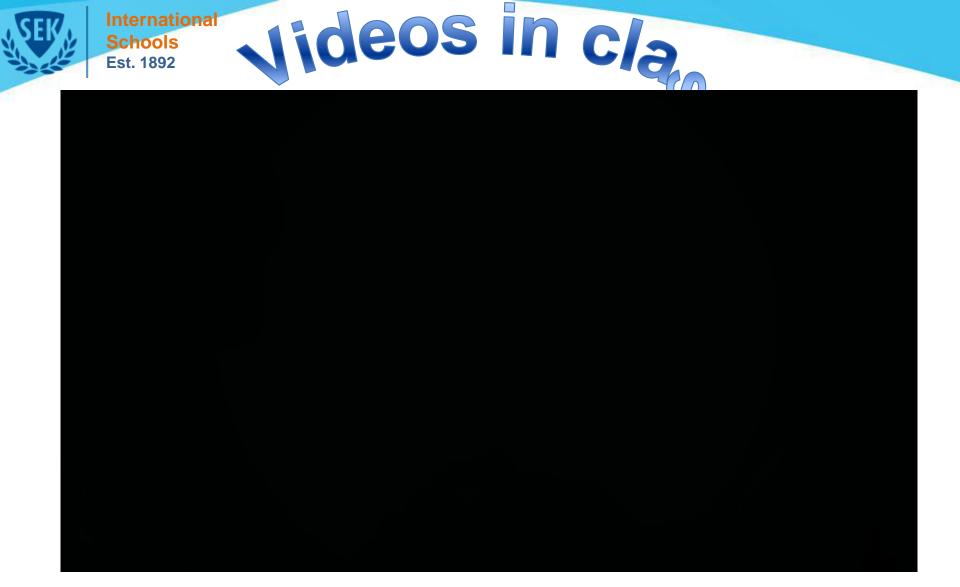
Asymmetrical

• No symmetry!!

















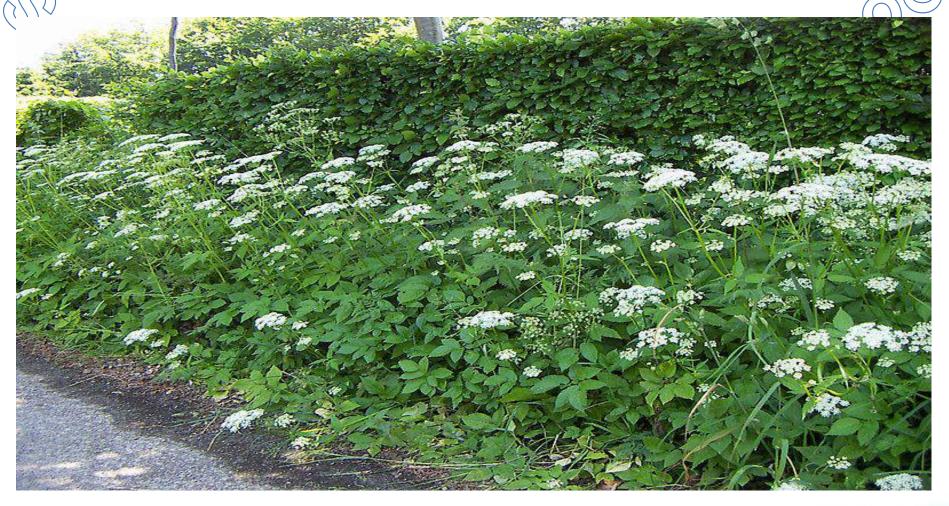




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Interactive dichotomous key gymkhana

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Raul Gonzalo



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Quick response code



POWER POINT



KEY NOTE





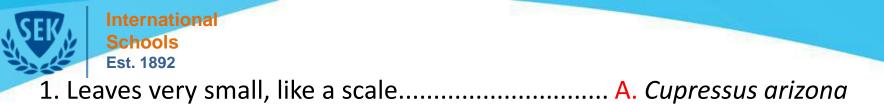


Interactive dichotomous key gymkhana





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1. Leaves very easy to see, not like a scale.....













3. Palmate leaves......B. Aesculus hippocastanum



3. Pinnate leaves.....



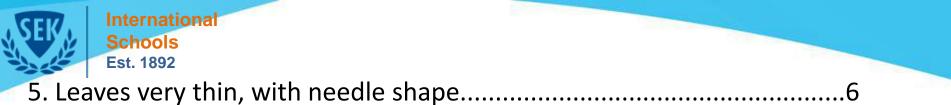




4. Leaf with smooth edge.....









5. Leaves wider, does not have needle shape.....









6. Leaves grouped in pairs......E. Pinus nigra



6. Individual leaves

...F. Picea abies



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7. Leaves with hand shape and edges with big teethG. Acer platanoides





















Tell me and I forget, teach me and I may remember, involve me and I learn

Chinese proverb







IB and Technology: the Flipped Classroom and models 1 to 1

Ana Belén Frías– Raúl Gonzalo – **Jorge Moreno** A presentation for the IBAEM Regional Conference in The Hague Octuber 24 – 27, 2013







Preliminary

Contents:

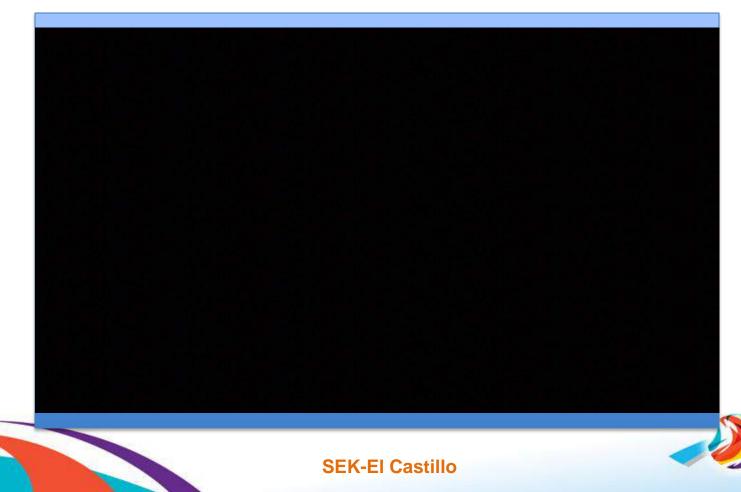
- SEK Educational Institution and current situation in education
- Why, how and what to innovate?
- Summary/final conclusion







SEK Educational Institution Current situation in education



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SEK Educational Institution and current situation in education



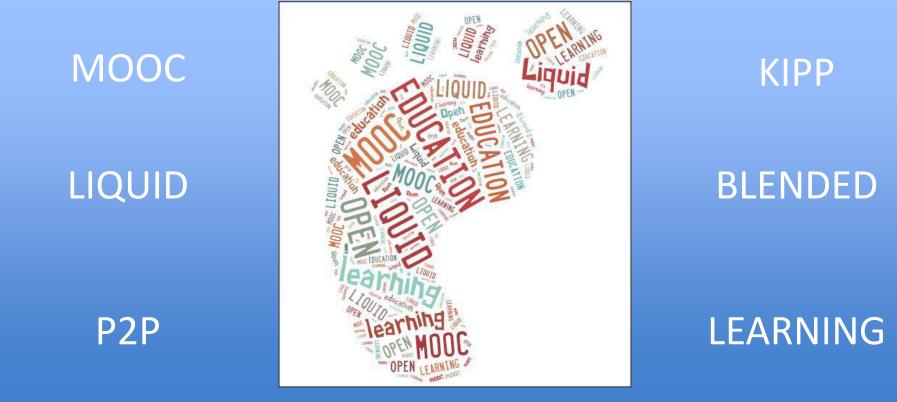


Why innovate?





Why innovate?







How to innovate?

OPDS

One to one, based on Projects, Doing and not reading, Social impact





How to innovate?









What do we innovate?

Methodology

Tools

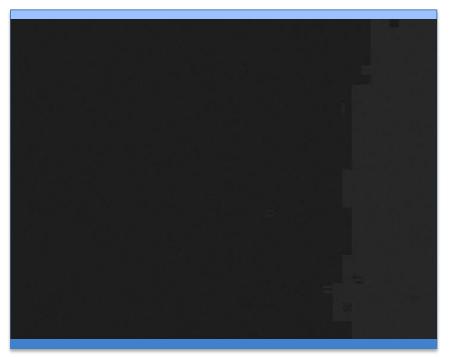
Evaluation

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Innovation means ... Methodology





DAMOS LA VUELTA A LA CLASE, POR METODOLOGIA FLIPPED CLASSROOM







Innovation means ... Methodology

"One must <u>learn by doing</u> the thing, for though you think you know it, you have no certainty until you try."

Aristoteles







Est. 1892

Innovation means ... Tools











Innovation means ... Evaluation

School closer to University

_							
					Plan d	e trabajo	
	Planificación de actividad			ides		Vinculación	
		Secuenciación de actividades	Tipo(*1)	Modalidad (*2)	Tema	Objetivo	
Estrategia didáctica EXPOSITORY SESSIONS	l⁰ Tr.	Reading: Predicting content and Reading for general understanding.	Т.І.	P, NP	1	5	
PAIR WORK		Writing a Narrative	T.G., T.I.	Р	1	1, 2, 4	
GROUP WORK		Reading for enjoyment	EX	P	1	6	
		Speaking: Describing pictures	T.G.	P	1	1, 2, 3	
CLASSROOM PRACTICE		Reviewing present and past tenses	EX, T.I.	P, OL	1	1, 3	
CLASSICCOMMUN		Vocabulary: Travel and emergencies	T.G.	P, OL	1	1, 3	
INTERACTIVE SESSIONS		Reading: Identifying main ideas and differentiating between fact and fiction	T.I.	P, N.P.	2	5	
		Writing an informal letter/ email	T.G., T.I.	Ρ	2	1, 2, 4	







Summary

Flipped Classroom & Learn by doing Own digital contents & model 1 to 1 School evaluation & University evaluation







Take away

"At any time, At any place, whatever device"





