Learning Science in Secondary Cocation Flipped Learning methodology and tablets





MINISTÉRIO DA EDUCAÇÃO





Over 500 years of teaching experience in this room – over 450 years of eTwinning experience in this PDW





Pan-European policy experimentations with tablets

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WELCOME

How can tablets support new ways of teaching and learning in schools?

- The Creative Classrooms Lab (CCL) project is developing innovative teaching and learning scenarios involving the use of tablets in and out of school.
- It will validate these in policy experimentations involving nine Ministries of Education in Europe and 45 classes that are already making use of tablets from different suppliers.
- Ministries of Education will also seek to co-design action research pilots with industry partners that will be project Associate Partners.

Read more about the project



traditional lesson plan

1. contents presentation 2. guided practice 3. group work 4. independent work 5. extension/reinf. activities (at home)

flipped lesson plan

- 1. contents presentation (at home)
- 2. guided practice
- 3. group work
- 4. independent work
- 5. extension/reinforcement activities

students need...

- motivation to be autonomous learners
- adequate resources
- structured activities (learner centered)

presentation of the project/methodology

presentation of the technology





O Projeto SeguraNet

Dist.

2 de outubro de 2013 Escola Secundária de Santa Maria

student training

mmmmmmm

essay of the methodology

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75 = X-32

presentation of the project to the parents

teachers need...

training in the technology
training in the methodology
time and place to share experiences



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training in the methodology

time and place to share experiences

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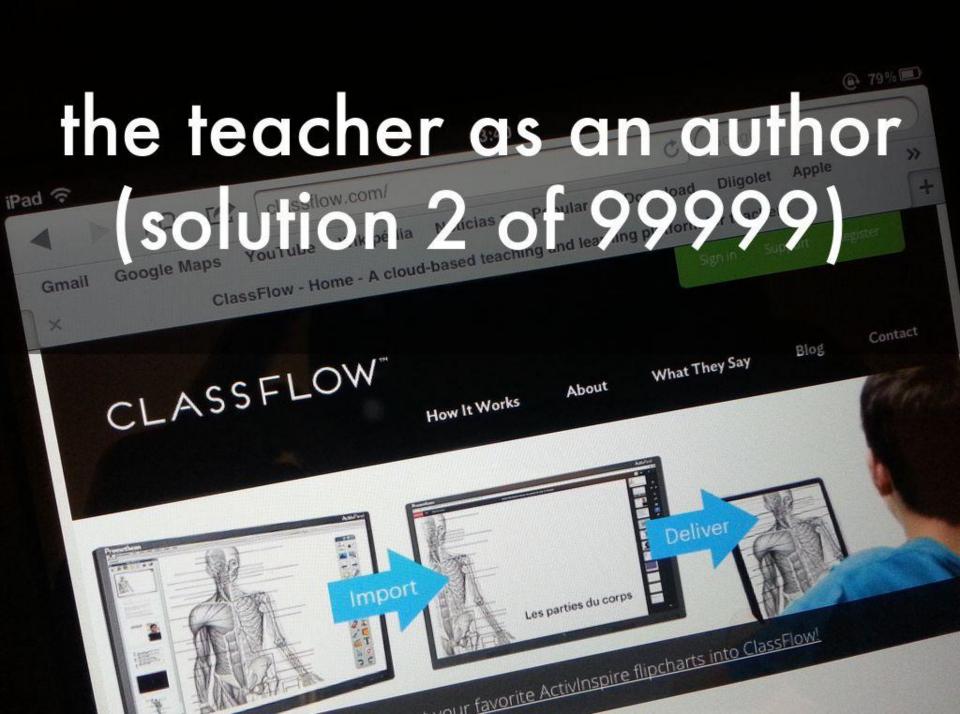
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classroom scenarios

access resources

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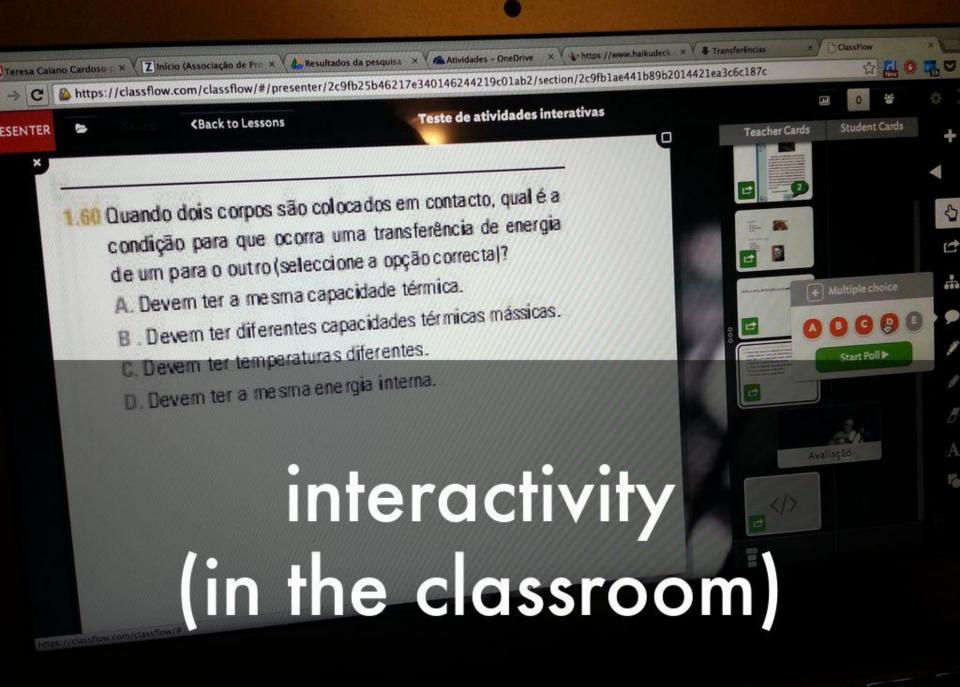
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students as explorers

students as authors



risks

- learning activities at home do not mean less teacher
- go one step at the time
- the solution for one student may not work for others
- diversify and structure

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http://goo.gl/hqflu4





GOVERNO DE MINISTÉRIO DA EDUC PORTUGAL E CIÊNCIA



Activity (ex: http://blnds.co/1711Abv)

- 1. Choose a (small) topic of a familiar subject
- 2. Choose a (limited) set of online resources for that topic
- Structure them in a (simple and transparent) workflow. (Consider including self-assessment tasks)
- 4. (Create a Blendspace account)
- 5. Aggregate and order the resources in a Blendspace lesson
- 6. Share the URL of the lesson