WORKSHOP FOR TEACHERS

Project: YEA – Young Entrepreneurs in Action	*Duration (minutes):*	100
Promotor School: Agrupamento de Escolas de Vale de Ovil	*Level of education:*	Elementary proficiency

Topic:	**Clouding with mobile phones**

Aims:

- Understanding the importance of mobile and cloud learning;
- Learn how to use cloud platforms for mobile learning;
- Produce teaching materials for mobile based on cloud learning;
- Use ITC as a tool for learning, collaboration, creativity and innovations.

Outcomes:

- Learn how to produce content for/with mobile learning;
- Understand mobile learning Pedagogy;
- Understanding the Framework of mobile cloud computing;
- Exploration of ITC in teaching and learning.

Work forms and methods:

- Presentation;
- Cloud and mobile learning examples;
- Workshop (content producing);
- Group work presentation.

ARTICULATION

Course of action (duration, minutes)

Keynote (20 minutes)

Framework: With the recent development of technology in general and mobile phones in particular, new teaching methods and education environments can be used. The importance of mobile in cloud learning is amazing as every student and teacher usually carries his own mobile phone and obviously should be able to access and produce information. Often regarded as a bad influence on young students, mobile phones can be turned into an effective teaching and learning tool when it is used appropriately as examples will be shown in the keynote, namely: Models, procedures and support platforms.
Layout: Proposal of the work methodology and presentation of an example.

MAIN PART (60 minutes)

Groups will be formed and, using their own mobile phones (or borrowed ones), every group will produce mobile/cloud learning content to be used with their students related to financial literacy and entrepreneurship.
Each group can develop topics like: pocket kids budget; savings plan; family budget; responsibly spend; history of money; business plan; how to be an entrepreneur; business ideas; …

CONCLUSION (20 minutes)

Every group will present their own mobile cloud learning content, explain how it would be used with their students.

Methods   **Work forms**

Keynote   *individual work*
talk   *demonstration*   *work in pairs*
content producing   *role playing*   *group work*
graphic work   *frontal work*
interactive exercises

Material/means:

- PC, video projector;
- Smartphone; tablet.

Literature

J. Hylén, "Mobile Learning and Social Media in Adult Learning," European Commission Directorate-GeneralFor Employment, Social Affairs And Inclusion, Feb. 2015.

H.-J. Mittag , "Expanding The Media Mix In Statistics Education Through Platform-Independent And Interactive Learning Objects," 11th International Conference Mobile Learning 2015, Mar. 2015.

A. C. Adamuthe, V. D. Salunkhe, S. H. Patil, and G. T. Thampi, "Cloud Computing – A market Perspective and Research Directions," I.J. Information Technology and Computer Science, 2015, 10, 42-53, Sep. 2015.

P. Gupta and S. Gupta, "Mobile Cloud Computing: The Future of Cloud," International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Sep. 2012.

H. T. Dinh, C. Lee, D. Niyato, and P. Wang, "A Survey of Mobile Cloud Computing: Architecture, Applications, and Approaches," Wireless Communications and Mobile Computing - Wiley.

N. M. Rao, C. Sasidhar, and V. S. Kumar, "Cloud Computing Through Mobile-Learning."

J. Taylor, M. Sharples, et al, "Towards a task model for mobile learning: a dialectical approach"

Kearney, Matthew, Sandra Schuck, Kevin Burden, and Peter Aubusson. "Viewing Mobile Learning from a Pedagogical Perspective." Research in Learning Technology 20 (2012). Web.

PERSONAL OBSERVATIONS, COMMENTS AND NOTES