

Find out how to access preview-only contentLook inside Get Access
Technology Enhanced Learning. Quality of Teaching and Educational Reform

Communications in Computer and Information Science Volume 73, 2010, pp 124-127

Interactive Whiteboard Integration in Classrooms: Active Teachers Understanding about Their Training Process

Citations

368 Downloads 200 Citations 9 Comments

Abstract

With the incorporation in education of Information and Communication Technologies (ICT), especially the Interactive Whiteboard (IWB), emerges the need for a proper teacher training process due to adequate the integration and the didactic use of this tool in the classroom. This article discusses the teachers' perception on the training process for ICT integration. Its main aim is to contribute to the unification of minimum criteria for effective ICT implementation in any training process for active teachers. This case study begins from the development of a training model called Eduticom which was putted into practice in 4 schools in Catalonia, Spain. Findings indicated different teachers' needs such as an appropriate infrastructure, a proper management and a flexible training model which essentially addresses methodological and didactic aspects of IWB uses in the classroom.



Related Content



References (10)

1. OECD: *Schooling for Tomorrow: Learning to Change: ICT in schools*. Centre for Educational Research and Innovation, Paris, France (2001)
2. Ministerio de Educación, Política Social y Deporte: *Comparecencia de la ministra de Educación, Política Social y Deporte*, Mercedes Cabrera, en la Comisión de Educación, Política Social y Deporte del Congreso de los Diputados (2009), <http://www.educacion.es/horizontales/prensa/notas/2009/04/comisioneducacio-politica-social-deporte.html>
3. Gros, B., Silva, J.: *La formación del profesorado como docente en los espacios virtuales de aprendizaje*. Revista Iberoamericana de Educación 36(1) (2005)
4. Imbernón, F.: *La formación y el desarrollo profesional del profesional del profesorado. Hacia una nueva cultura profesional*. Graó, Barcelona (1994)
5. Departamento de Educación de la Generalitat de Catalunya: *Pla marc de formació permanent 2005-2010* (2005), http://www10.gencat.cat/gencat/binaris/formacio_permanent_tcm32-21897.pdf
6. Montero, L.: *Profesores y profesoras en un mundo cambiante: el papel clave de la formación inicial. Comentarios a los informes EURYDICE y OCDE sobre la cuestión docente. Monográfico dedicado a: La tarea de enseñar: atraer, formar, retener y desarrollar buen profesorado*. Revista de Educación 340 (2006)
7. Blanco, P.: *La formación permanente del profesorado una competencia práctica de futuro. Investigación en la escuela* 62, 87–96 (2007)
8. Riera, J., Prats, M.A.: *Un enfoque socioconstructivista y sistémico de los modelos de apoyo y actualización docente para la innovación educativa de base TIC. Proyecto EDUTICOM*. Educar 40, 29–40 (2008)
9. British Educational Communications and Technology Agency: *Getting the most from your interactive whiteboard. A guide for primary schools* (2004), http://foi.becta.org.uk/content_files/corporate/resources/foi/archived_publications/getting_most_whiteboard_secondary.pdf
10. Riera, J.: *Avaluació d'un model de formació i assessorament al professorat, basat en la incorporació d'eines digitals interactives a l'aula ordinària, de centres d'educació infantil i primària de Catalunya (Ref2007ARIE00056)*. Technical report, AGAUR, Generalitat de Catalunya (2008)

About this Chapter

Title

Interactive Whiteboard Integration in Classrooms: Active Teachers Understanding about Their Training Process

Book Title

Technology Enhanced Learning. Quality of Teaching and Educational Reform

Book Subtitle

First International Conference, TECH-EDUCATION 2010, Athens, Greece, May 19-21, 2010. Proceedings

Pages

pp 124-127

Copyright

2010

DOI

10.1007/978-3-642-13166-0_18

Print ISBN

978-3-642-13165-3

Online ISBN

978-3-642-13166-0

Series Title

Communications in Computer and Information Science

Series Volume

73

Series ISSN

1865-0929

Publisher

Springer Berlin Heidelberg

Copyright Holder

Springer-Verlag Berlin Heidelberg

Additional Links

- [About this Book](#)

Topics

- [Information Systems Applications \(incl. Internet\)](#)
- [User Interfaces and Human Computer Interaction](#)
- [Artificial Intelligence \(incl. Robotics\)](#)
- [Computer Communication Networks](#)
- [Database Management](#)
- [Information Storage and Retrieval](#)

Keywords

- [interactive whiteboard](#)
- [teachers understanding](#)
- [training model](#)
- [ICT](#)
- [education](#)




Industry Sectors








- [Electronics](#)
- [Telecommunications](#)
- [IT & Software](#)

eBook Packages

- [eBook Package english Computer Science](#)
- [eBook Package english full Collection](#)

Editors

- [Miltiadis D. Lytras](#)  ⁽¹⁾
- [Patricia Ordonez De Pablos](#)  ⁽²⁾
- [David Avison](#)  ⁽³⁾

- Janice Sipior  ⁽⁴⁾
- Qun Jin  ⁽⁵⁾
- Walter Leal  ⁽⁶⁾
- Lorna Uden  ⁽⁷⁾
- Michael Thomas  ⁽⁸⁾
- Sara Cervai  ⁽⁹⁾
- David Horner  ⁽¹⁰⁾

Editor Affiliations

- 1. The American College of Greece
- 2. University of Oviedo
- 3. ESSEC Business School
- 4. Villanova University
- 5. Dept. Human Informatics and Cognitive Sciences, Waseda University
- 6. Hamburg University of Applied Sciences
- 7. Staffordshire University, Beaconside
- 8. Nagoya University of Commerce and Business
- 9. Trieste University
- 10. The American College of Greece

Authors

- Meritxell Cortada Pujol ⁽¹¹⁾
- Maria Graciela Badilla Quintana ⁽¹¹⁾
- Jordi Riera Romani ⁽¹¹⁾

Author Affiliations

- 11. FPCEE Blanquerna, Members of the PSITIC: Social Pedagogy and Information and Communication Technologies research group, Ramon Llull University, Císter Street 34, 08022, Barcelona, Spain

Continue reading...

To view the rest of this content please follow the download PDF link above.

