

## Παιδαγωγικά ρεύματα στο Αιγαίο

Τόμ. 4, Αρ. 1 (2009)

Τεύχος 4

παιδαγωγικά ρεύματα στο Αιγαίο  
διεθνής περιοδική έκδοση παιδαγωγικών προβληματισμών



Τεύχος 4, Δεκ 2009

Η Εννοιολογική Χαρτογράφηση σε Ηλεκτρονικά Περιβάλλοντα: Μια Εναλλακτική Στρατηγική Μάθησης

Αλιβίζος Σοφός, Βασιλική Λιάπη

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\*

Isofos@rhodes.aegean.gr

\*

premnt04019@rhodes.aegean.gr

**Abstract**

This article studies Concept Mapping as a cognitive tool in the education process. It studies also the supportive role of New Technologies (PC, software, internet) in constructing educational scenarios to help learning and teaching. The study is a literature review based on 27 research papers from Greek and international literature aiming to outline the main theoretical foundations for Concept Mapping development and application. Especially, this review highlights the importance of Concept Mapping as an important tool in every educational level (primary & secondary education, university, adult education), in a variety of school subjects (Language, History, Biology, etc.) and in multifunctional ways in the education process (learning, teaching, evaluation, metacognitive thinking, co-operation, and research).

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1. « terra incognita terra cognita. »

Romance & Vitale (1999),

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«...», (concept map).  
 (1984), «...» Novak and Gowin

Ausubel (Novak, 1984),  
 (meaningful learning).

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μ (mind mapping). Ο «...» (mind map)

Buzan (1995), 5-10 5-10 5-10

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(, 2000 · Kinchin & Hay, 2000).

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Joseph Novak (Novak 1990)

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Ausubel (Novak 1984),

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1980, Fisher, Falletti, (1990 Fisher, Wardersee et al. 2000) SemNet ®

Quillian (1968),

Wardersee et al. 2000)

1980, Wandersee (1987 Fisher,

1990, Horn (1989) Buzan (1995)

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Inspiration®. ø IBM Macintosh, SemNet Novak (1990)

pencilø). ö (paper-and-

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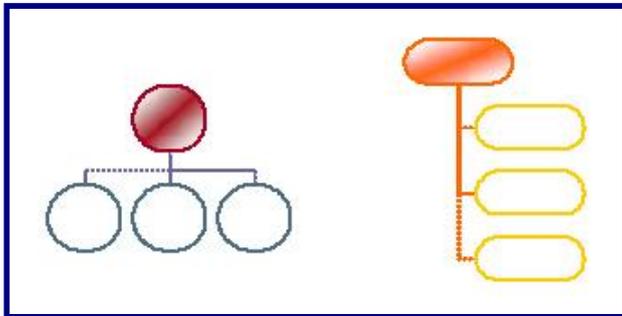
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<b>AXON Idea Processor</b>	AXON Research, Chan Bok		, , , ,
<b>Activity Map</b>	Time/System Int.		,
<b>Belvedere</b>	University of Pittsburgh		,
<b>CLASS</b>	Heriot-Watt University		
<b>CMap</b>	IHMC (Joseph D. Novak)	Freeware tool	, , , ,
<b>Decision Explorer</b>	Banxia Software		( , ) ,
<b>Inspiration / Education Edition</b>	Inspiration Software, Inc., USA		, , ,
<b>Kidspiration</b>	Inspiration Software, Inc., USA		, K-5
<b>Kmap for mac</b>	University of Calgary, Alberta		, ,
<b>Mind Manager</b>	Michael Jetter		,
<b>Mind Mapper</b>	Sim Tech Systems		, ,
<b>Mind Mapper Junior</b>	SimTech Systems		, K-5
<b>PIViT</b>	PBS group at the University of Michigan		, , , ,
<b>Representation Tool</b>	IACM/FORTH		, ,
<b>SEMNET</b>	Sem Net Research Group, San Diego California		, , ,
<b>Smart Ideas</b>	SMART Technologies		( , , ),
<b>VisiMap Lite</b>	Coco Systems		,

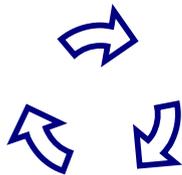
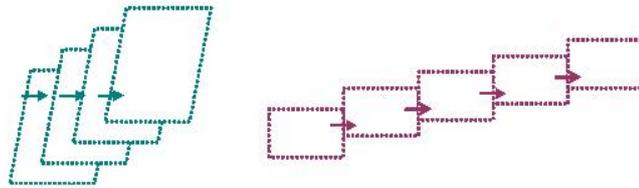




2. " " (Hierarchy) :



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4. ð ö (Systems):

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- Novak cross-links
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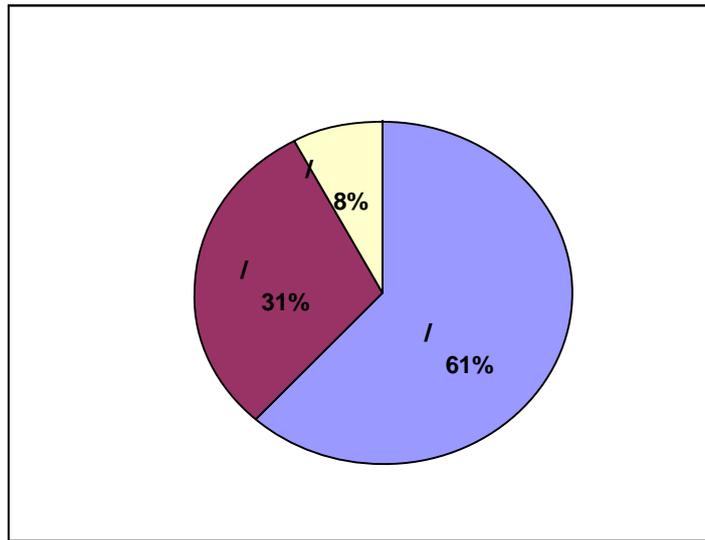


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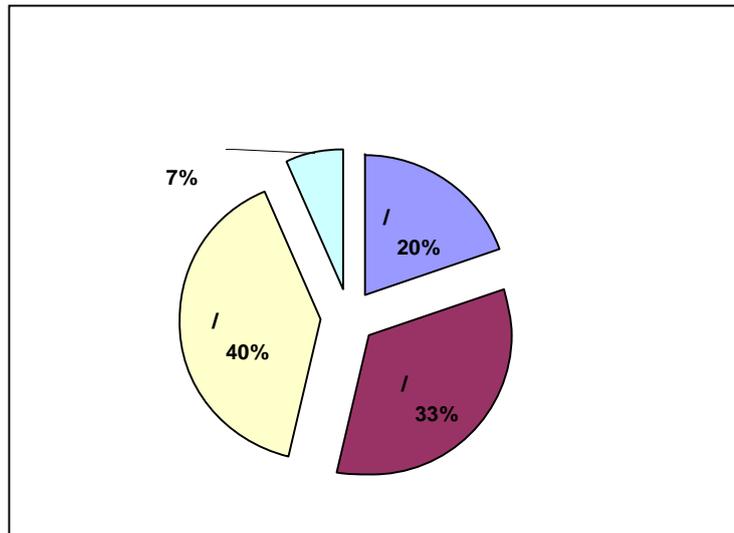
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 2000,) 13 & 2002, 2001,  
 Pearson & Somekh, 2003, Rye, 2001, McClure, Sonac et al, 1999, Markow & Lonning, 1998, (Daley 2004,  
 Thomson 1997, Taber 1994) 14 ,  
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 2) ∅ (5 ) ∅ (5 ). ∅  
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Peukert & Fisher (1999)

Palmer (1994)

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- , T., , M.(2005). : μ μ , : - 2 Vygotsky, L. S. (1997). : : Gutenberg. , . (1998). Curriculum: . .
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