

Chronology of Competence Achievement

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Keywords:

Introduction

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The Spatial and Temporal dimensions of learning

Andragogy

Pedagogy

Traditional Environment

Distance Learning Environment

Figure 1: Stage 6(ii): Learning in a refined Time/Space matrix. Revised from Graham (2013), p. 47.

Space:		Co-located	Remote
Time:	(a) Concurrent/ Synchronous	Lectures Tutorials Meeting rooms	"School of the Air" Video conferences, Video wall, etc. Skype Shared work surfaces and editors Shared PCs and windows
	(a/b) Mixed	Blended learning (Discussion board/WebCT/ Moodle/Teachmat/On-line activities) Co-authoring systems, shared calendars	
(b) Serial	Argumentation tools		
(c) Asynchronous	E-mail and structured messages, electronic conferences		E-Learning/E-Delivery Media Streaming Social Networking (Facebook /Linked-In/Twitter)
		Workshops Laboratory work	

Time and the acquisition of knowledge

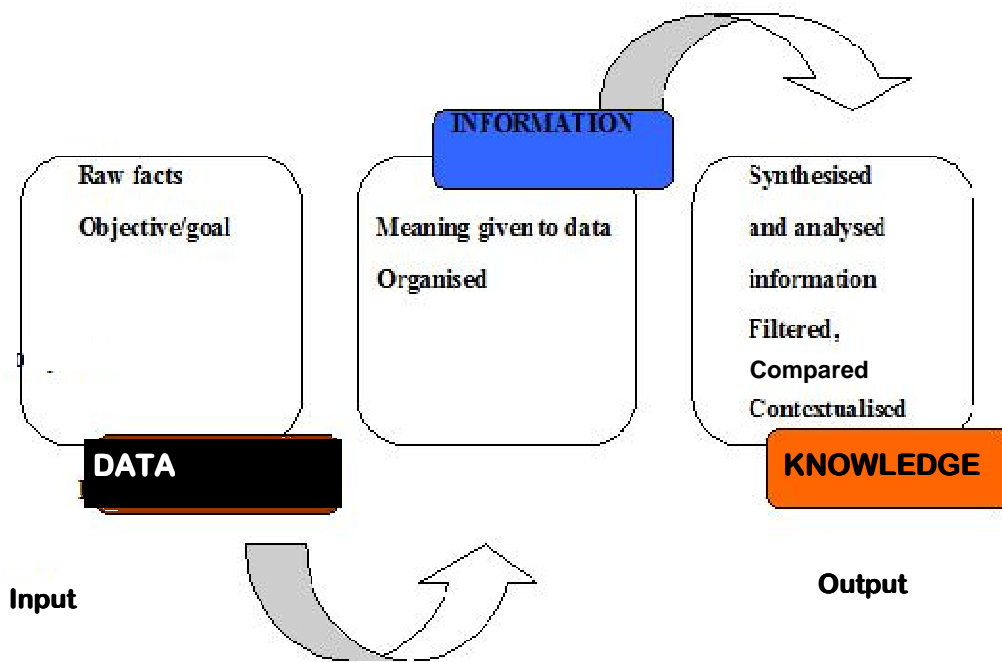


Figure 2: Information Processing View of Learning

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Life insurance example

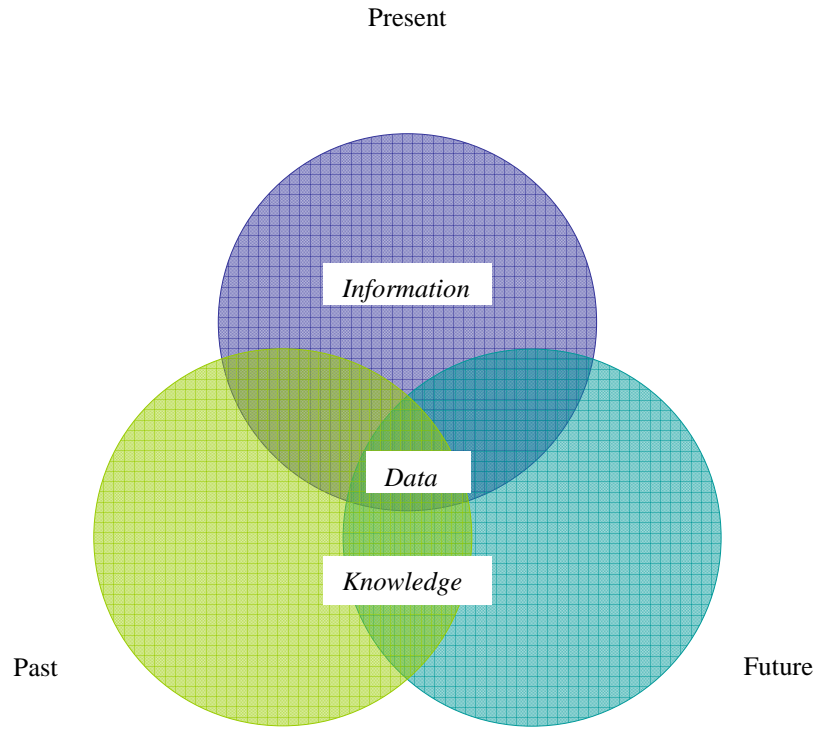


Figure 3: Temporal View of Learning (Venn diagram)

Time, knowledge acquisition and expertise

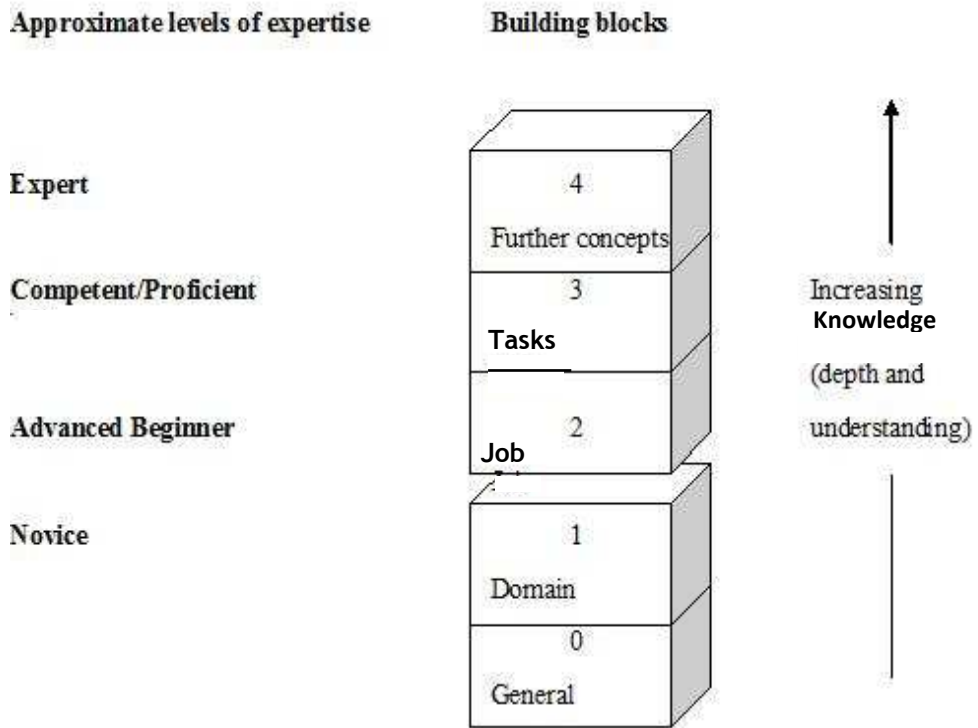


Figure 4: Knowledge Acquisition and Expertise: Building Blocks from Graham (1990), p.188

Discussion and Conclusions

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Acknowledgements

Correspondence

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