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Abstract: Individual Presentation

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A Didactic in Basic Level Education in Basic Level Education - Journey Through History(Time Line)

Cognitive development was evaluated in two sixth grade groups in elementary school(control and experimental groups), parting from the development of notions of space-timefor lerning History. A computer program was used ("Puzzle of History") as adidactic tool in wich the students should place a series of icons on the time-line.Besides, learning experiences were articulated, using real world objects (museums).Application: 1) Pre-experimental: Evaluation of temporal notions and multiple choice test.2) Experimental: Application of a computer game and the visits to 3 museums (NaturalHistory, National of Anthropology and National of History Museum). 3) Post-experimantal:Second game and application of post-test. The experimental group performance, in themultiple choice test, improved from a mean of 3.59 to 6.18 correct answer (scale 0-10)($p>0.022$), the control group from a mean of 4.31 to 4.28($p>0.138$). A question of ordering was included, according to its position on thetime line; here the experimental group attained a mean of 122.59 points in the pretest(308 the highest) and the posttest attained 198.45 ($p>0.238$), the control group improvedfrom 111.65 to 123.69 points ($p>0.222$). In the computer games, the experimental groupimproved from 1.87 mistakes to 0.66 ($p>0.012$). The results have shown that thisstrategy is interactive, and it enables a better understanding of the temporal dimensionof History.

Keyword. COGNITION LEARNING NOTIONS DEVELOPMENT TIME-LINE

MUSEUMS