



**فاعلية برنامج مقترح في الألعاب التربوية لتنمية بعض
مهارات التفكير العلمي لدى تلاميذ الصف الثالث الأساسي**

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Abstract: The study aimed at identifying the effectiveness of a suggested educational games program to develop some of thinking skills for 3rd grade students. The study questions were: 1) What are the skills needed for developing 3rd Grade Students. 2)What is the suggested program. 3) how effective is the suggested program . 4) Are there any statistical differences in students thinking scores due to lower achievement level 5)) Are there any statistical differences in students thinking scores due to higher achievement level. The sample consisted from (96) male and female students .The research instruments were the suggested program and the thinking skills test . Results showed that : 1) the effectiveness of the suggested program in the educational games is high to the 3rd grade students in developing their thinking skills . 2)- there were no significant differences in the average scores of the thinking skills test scores due the higher achievement score. 3) 2)- there were no significant differences in the average scores of the thinking skills test scores due the lower achievement score.

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فاعلية برنامج مقترح في الألعاب التربوية. د. حازم عيسى - د. عبدالهادي مصالحة

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.2 (Classification)

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.3 (Predicting)

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.4 (Deducting)

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%25	7	19 16 12 9 8 6·7	
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د. حازم عيسى - د. عبدالهادي مصالحة
فاعلية برنامج مقترح في الألعاب التربوية.

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				1.38	5.30	96		
	5.208	0.8846	26.99	1.09	1.79	96		
				1.28	4.50	96		
	8.333	0.899	29.09	0.98	1.16	96		
				1.22	5.57	96		
	9.439	0.958	32.86	1.14	1.82	96		
				1.54	6.42	96		
	9.439	0.958	54.35	2.698	7.29	96		
				4.064	21.80	96		

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(7.29)
 (54.353) " " (21.80)
 . (2.39) " "
 (0.8) (9.439) "d"
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(2.51)
 (21.636) " " (5.30)
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 (0.8) (4.439) "d"
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(1.79)
 (26.99) " " (4.50)
 . (2.39) " "
 (0.8) (5.208) "d"
 " " " "
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 (0.01 ≥ φ)

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(1.16)
(29.09) " " (5.57)
" " (2.39)
(0.8) (8.333) "d"
" " " "
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(0.01 ≥ φ)

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(1.82)
(32.86) " " (6.42)
" " (2.39)
(0.8) (9.439) "d"
" " " "
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$$(0.05 \geq \phi)$$

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	0.406		10	100	10	

(45) "U" (10)

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0.05

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$$(0.05 \geq \phi)$$

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	"Z"	"U"				
0.438	0.775-	40	11.5	115	10	
			9.5	95	10	

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Gross, A.(1989).The Play of Man. N.Y Application.