

.

:

()

:

:

:

()

.

1421- 1420

(Jigsaw -)

:

-

-

()

-

.

-

-

-

:

(John Dewey)

.(Slavin, 1992)

.(Manning & Lucking, 1991)

(Stahl, 1992)

	:		
	:		
()	:	
	:		
			-1
			-2
			-3
			-4
	:		
			-4
			-4
		:	
	(0.05)		-4
	(0.05)		-4
		:	

:

:

()

()

:

()

- -

) () (

:

()

:

.

:

.(Slavin, 1994)

(Johnson & Johnson, 1992)

(Cohen, 1994)

Cohen .

(6 . 1992)

"

"

" (11 . 1996)

()

."

:

(Bossert, 1988; Laurence, 1998; (1997) (1996)
Furtwengler, 1992; Guyton,1991; Webb, 1985; & Slavin, 1987)

(Johnson & Johnson, 1989)

(Stahl, 1992a)

(Goodlad, 1984)

(Avery, 1994)

(Avery)

(Association for Supervision and Curriculum Development,
1998)

(Shaffer & Mack, 1999)

(Guyton, 1991;

Shaffer & Mack, 1999)

:

-

-

-

-

-

-

(Slavin, 1994;

VanSickle, 1992)

(Stahl & Vansickle,

1992)

(Stahle, 1992a; Johnson & Johnson, 1992)

:

-
-
-
-
-
-
-
-
-
-
-
-
-
-
-

:

(Shaffer & Mack, 1999; Vidder, 1985)

(Stahl, 1992)

:

-

-

-

/

-

-

-

(Slavin, 1987, 1992, 1994; Der (1997) (1992)
Vies & Slavin, 1978; Aronson et al, 1978; Johnson & Johnson, 1987;
Chapin & Messick,1989; Sharan & Sharan, 1989; Furtwengler, 1992;
Mattingly,1992, Allen & VanSickle, 1998)

:

- 1

(Student Teams - Achievement Divisions- STAD)

(Slavin)

()

2000 17

/

5 - 3

/

-2

(Teams-Games Tournament-TGT)
(DeVries & Slavin)

(John Hopkins)
(STAD)

(Jigsaw)

-3

"

"

(Jigsaw) (1992)

(Aronson & Others)

(Jigsaw II)

(Slavin)

5 - 4

()

(Learning Together)

-4

(Johnson & Johnson, 1987)

5 – 4

(Assignment Sheets)

(Group Investigation)

-5

(Sharan & Sharan, 1989)

6 – 2

(Slavin, 1992)

()

(Johnson & Johnson, 1992)

:

(Stevens & Slavin, 1995)

(Laurence, 1998)

(King & King, 1998)

(Group Decision Making Activities)

(1996)

.()

(1997)

(32 . 1998)

"

"

(1995)

:

(1995)

(1996)

(1992)

(1)

(1)

" "	...

(Shaffer & Mack, 1999)

(1)

(1992)

(1992)

:

:

:

()

(9 - 3)

(72)

.(Slavin, 1992)

() ()
 . (36) () (36)

()

(%30)

. (63)
 . 1421 -1420

(2)

63	%64	10 – 5 %28	%76	%3	%61
	%36	15 – 10 %49	%24	%27	%39
		15 %23		%65	
				%5	

(2)

(%64)

(10)

(%72)

/

:

$$: \frac{-}{-1}$$

:

(19)
(13)

(28)

(15)

()

- 2

(22)

$$: \frac{-}{-}$$

(Slavin, 1992)

()

()

:

(10)

(12)

(8)

:

:

- 1

-

(18)

(13)

(28)

(15)

:

- 2

(Stahle, 1992; & Johnson & Johnson,

1992)

(22)

(4)

)

:

- 3

(

(13)

(10)

:

(35) :

(Reliability Coefficient) (SPSS)

(0.9276)

:

()

(Reliability Coefficient)

(0.8873) SPSS

: -3

(Reliability Coefficient)

(0.8204)

(0.8369)

(6)

(30)

(50)

(14)

(10)

:

(SPSS, GB STAT)

(t-tests and F tests)

:

: -1

(30)

.()

(65)

(67)

(63)

: - 2

(36)

()

:

:

-3

-

-

-

-

-

-

(87 - 85

)

-

-

/

(3)

(

)

(3)

()

2000 17

/

		. .		*		
0.5629	0.5825	70	6.72	41.38	36	
			7.18	40.36	36	

(50) *

() : / -

(5 4) ()

(-) (-)

(4)

()

		. .		*		
0.3273	1.2119	71	2.27	10.78	36	
			2.21	10.25	36	

30 *

(5)

0.3208	1.00	5.0139	1	5.0139	
		5.0139	70	350.972	
			71	355.987	

-

(Aronson

(Jigsaw)

and Others, 1978, Slavin, 1987)

:

.

-

-

-

-

-

-

/

)

:(Jigsaw)

()

-

-

-

-

-

-

-

-

-

-

-

()

-

-

-

-

:

:

:

:

:

(6)

2000 17

/

%				
%76	0.233	2.27	63	
%76	0.165	2.28	63	
%58	0.204	1.74	63	
%62	0.166	1.86	63	

(6)
/

(%58) (%76)
(%62)

.

:

(7)

%				
%90	0.140	2.69	36	
%89	0.097	2.68	36	
%88	0.066	2.64	36	
%85	0.159	2.56	36	

(7)

(%90)
(.21 18 16 14 12 9)

(.17 8 4 2 1) (%89)

(.22 20 19 10 6) (%88)
(%85)

(4) (.15 13 11 7 5 3)

∴ _____

(0.05) *

(0.05) *

(8)

0.0001	112.646	1596.125	1	1596.125	
		14.169	70	991.861	
			71	2587.968	

2000 17

/

(9)

()

0.0001	32.522	589.3889	1	589.389	
		18.123	70	1268.611	
			71	1858	

(9 8)

()

-

(8)

(Jigsaw)

(0.05)

-

-

- ()

-

(9)

(0.05)

—

(1996) :
Stevens & Slavin, 1995;) (1998) (1997)
(Laurence, 1998; King & King, 1998

:

:

()

()

- | | | | |
|---------|---------------|--------|------|
| | | (1997) | -1 |
| | .219 – 181 44 | (1996) | -2 |
| | .18 – 11 4 | (1998) | -3 |
| | .37 – 11 55 | | |
| 20 – 18 | | (1992) | -4 |
| | | – | 1992 |
| | | (1996) | -5 |
| | .433 – 405 25 | | |
- 6- Allen, W. & VanSickle, R. (1984). Learning teams and low achievers. *Social Education*, 84, 1, 60 – 64.
 - 7- Aronson, (1978). *The Jigsaw classroom*. Beverly Hills: Sage Publications, Inc.
 - 8- Association for Supervision and Curriculum Development (1998). *Education Update: Teaching in teams*, 40, 1, 1- 3.
 - 9- Avery, B. (1994). You are there: Cooperative teaching makes history come alive. *Social Education*, 58, 5, 271 – 272.
 - 10- Bossert, S. (1988). Cooperative activities in the classroom. *Review of Research in Education*, 15, 225 – 250.
 - 11- Chapin, J. & Messick, R. (1989). *Elementary social studies: A practical guide*. New York: Longman, 62 – 67.
 - 12- Cohen, E. (1994). Restructuring the classroom: Conditions for productive small groups. *Review of Educational Research*, 64, 1, 1– 35.

- 13- DeVries, D. & Slavin, R. (1978). Teams-Games Tournament (TGT): Review of ten classroom experiments. *Journal of Research and Development in Education*, 12, 28 – 38.
- 14- Furtwengler, C. (1992). How to observe cooperative learning classrooms. *Educational Leadership*, 49, 7, 59 – 63.
- 15- Goodlad, J. (1984). *A place called school: Prospects for the future*. New York: McGraw-Hill.
- 16- Guyton, E. (1991). Cooperative learning and elementary social studies. *Social Education*, 55, 5, 313 – 315
- 17- Johnson, D. & Johnson, R. (1989). *Cooperation and competition: Theory and research*. Edina: Interaction Book Co.
- 18- Johnson, D. & Johnson, R. (1992). Approaches to implementing cooperative learning in the social studies classroom. In Stahl, R. and VanSickle, R (Ed), *Cooperative learning in the social studies classroom: An introduction to social study* (PP.44-51) Washington, D. C.: National Council for the Social Studies.
- 19- King, R. & King, J. (1998). Is group decision making in the classroom constructive or destructive? *Social Education*, 62, 2, 101 – 104.
- 20- Laurence, R. (1998). Cooperative learning: Prevalence, conceptualizations, and the relation between research and practice. *American Educational Research Journal*, 35, 3, 419 – 454.
- 21- Manning, N. & Lucking, R. (1991). The what, why, and how cooperative learning. *The Social Studies*, 82, 3, 120.
- 22- Mattingly, R. (1992). I know it works: Seeing a cooperative learning strategy succeed in my secondary classroom. In Stahl, R. and VanSickle, R (Ed). *Cooperative learning in the social studies classroom: An introduction to social study* (PP38-43). Washington, D. C.: National Council for the Social Studies.
- 23- Shaffer, R. & Mack, T. (1999). Cooperative learning helps educators teach about the Vietnam War. *The Social Studies Professional*. (News Letter of National Council For the Social Studies), 150, 12 – 16.
- 24- Sharan, Y. & Sharan, S. (1989). Group investigation expands cooperative learning. *Educational Leadership*, 47, 17 – 21.
- 25- Slavin, R. (1987). Cooperative learning and cooperative school. *Educational Leadership*, 45, 7 – 13

- 26- Slavin, R. (1992). Cooperative learning in social studies: Balancing the social and the studies. In Stahl, R. and VanSickle, R, (Eds.) Cooperative learning in the social studies classroom: An introduction to social study (PP.21-25). Washington, D. C.: National Council for the Social Studies.
- 27- Slavin, R. (1994). Cooperative learning: Theory, research, and practice. (2nd ed) Boston: Allyn and Bacon.
- 28- Stahl, R. (1992). Cooperative learning in the social studies classroom: A handbook for teachers. Menlo Park: California: Addison-Wesley.
- 29- Stahl, R. (1992a). From "Academic strangers" to successful members of a cooperative learning group: An inside-the-learner perspective. In Stahl, R. and VanSickle, R, (Eds), Cooperative learning in the social studies classroom: An introduction to social study (PP.8-15). Washington, D. C.: National Council for the Social Studies.
- 30- Stahl, R. & Vansickle, R(1992). Cooperative learning as effective social study within social studies classroom: Introduction and an invitation. In Stahl, R. and VanSickle, R, (Eds), Cooperative learning in the social studies classroom: An introduction to social study (PP.1-7). Washington, D. C.: National Council for the Social Studies.
- 31- Stevens, R. & Slavin, R. (1995). The cooperative elementary school: Effects on students' achievement, attitudes, and social relations. *American Educational Research Journal*, 32, 2, 321 – 351.
- 32- VanSickle, R. (1992). Cooperative learning, properly implemented, works: Evidence from research in classrooms. In Stahl, R. and VanSickle, R, (Eds), Cooperative learning in the social studies classroom: An introduction to social study (PP.16-20). Washington, D. C.: National Council for the Social Studies.
- 33- Vedder, P. (1985). Cooperative learning: A study on processes and effects of cooperation between primary school children. Groningen. The Netherlands: University of Groningen.
- 34- Webb, N. (1985). Student interaction and learning in small groups: A research summary. In Slavin, S. et al.(eds) Learning to cooperate, cooperating to learn (PP.211-230). New York: Plenum.