

The Impact of Cooperative Learning Techniques on the Secondary School Students' Achievement, Academic Self- Esteem and Attitudes towards English as a Foreign Language in Palestine

By

Husam Ahmed Salih Qaddumi

Supervised by

Dr. Nadia Sherief
Professor of Educational
Psychology
Institute of Educational
Studies and Research

Dr. Ahmad Gaffar
Part time lecturer
of methods of teaching EFL
Institute of educational
Studies and Research



Department of Curriculum Instruction and Methods of Teaching

The Impact of Cooperative Learning Techniques on the Secondary School Students' Achievement, Academic Self-Esteem and Attitudes towards English as a Foreign Language in Palestine

By

Husam Ahmed Salih Qaddumi

Discussion Committee Members and Decision

1. Professor	2. Professor	3. Professor
Mahmoud	Nadia Sherief, a	Zeinab Al Najjar,
Shawq, a part	full time	Ein Shams
time professor in	professor in the	University
the department of	department of	
methods of	educational	
teaching, Cairo	psychology,	
University	Cairo University	
Chairman and		
Internal	Supervisor	External
Examiner		Examiner

Photo



Name: Husam Ahmed Salih Qaddumi
Nationality: Palestinian

Date and place of birth: 11/4/1977. Jayous, Palestine.

Degree: Doctorate of Philosophy.

Specialization: Methods of teaching English as a Foreign Language.

Supervisors(s): Prof Dr. Nadia Mahmoud Shereif

Prof. Dr. Ahmed El-Sayed Mahmoud Gaffar

Title of thesis: The Impact of Cooperative Learning Techniques on the

Secondary School Students' Achievement, Academic Selfesteem and Attitudes towards English as a Foreign Language

in Palestine

Abstract:

This study explored the impact of CL on 11th grade achievement, self-esteem and attitudes towards EFL in Palestine. The participants in were 53 11th grades in Qalqilya. Results showed significant differences in students' achievement, self-esteem, and attitudes towards CL and EFL skills in favor of experimental group. There were no significant differences in students' achievement in speaking, listening, and language for the control group, whereas there were significant differences in vocabulary, reading, writing and total score.

Key words: cooperative learning Students' self-esteem Attitudes

Acknowledgements

Praise and thanks to Almighty God for providing me with blessings to achieve this goal.

I would like to express my deep gratitude to the University of Cairo.

I am greatly indebted to my supervisors Professor Nadia Shrief, Dr Ahmed Gaffer for assistance, guidance, kind treatment and patience in completing this work through her deep experience.

Great thanks go to the members of discussion committee who agreed to come and discuss my work, and for their valuable comments, endurance and tolerance.

Many thanks are extended to Professor Abdelnaser Abderaheem, a professor of education ant the Palestinian academy for security sciences, who stood beside me in his statistical assistance. My thanks go to the jury of judges who contributed in the validation of the test, the programme and questionnaires.

I would also like to thank General Tawfeeq Al Teerawi, the Palestinian academy chairman, for his support to come and pursue my Ph.D.

I am grateful to Mr. Bassam Jum'a, an EFL teacher, who carried out the programme.

Finally, Great thanks go to the students of the 11th grade in both the experimental and control groups at Al Sadya and Azzun schools.

Contents

Abstract in English
Acknowledgment II
Table of contents III
List of Appendices
List of tables
List of figures ,VIII
Chapter One: Introduction
Background1
Problem5
Questions of the study5
Definition of terms6
Hypotheses of the study8
Limitations of the study9
Significance of the study9
Purposes of the study10
Conclusion
Chapter Two: Theoretical framework
Introduction and background11
Cooperative learning
What is cooperative learning?12
History and development of cooperative learning13
Theories in support of cooperative learning
Language acquisition theories and cooperative learning
Traditional learning classroom and cooperative learning classroom34

Group work and cooperative learning	35
Key elements of cooperative learning	.37
The learning pyramid	41
Cooperative learning and assessment	.42
Cooperative learning and the communicative approach	47
Cooperative learning and the social skills	.50
Attitudes	51
Attitude defined	51
Theories of attitude	51
Elements of attitudes	53
Academic self-esteem	.54
What is self- esteem?	.55
Measurement of self –esteem	.56
The components of self-esteem	.57
Self-esteem and the language classroom	.60
Self-esteem and academic achievement	.61
Conclusion.	.62
Chapter Three: Related studies	
Introduction	.63
Related studies	.64
Studies related to cooperative learning and ESP	.64
Studies related to the impact of cooperative learning on learning Engl	ish
language and students' attitudes	68
Studies related to the cooperative learning and its impact on students' se	elf-
esteem	.80
Conclusion.	.86

Chapter Four: Methodology

Methodology and design of the study	87
The population of the study	90
Participants	91
The pilot study	96
Instruments of the study	96
Procedures of the study	106
The structure of the class	106
The design of program of the study	107
Steps of the experiment	112
Statistical Analysis	113
Conclusion	113
Chapter Five: Results and discussion	
Results and Discussion	114
Results Related to the First Hypothesis	114
Results related to the second hypothesis	123
Results Related to the third Hypothesis	129
Results Related to the fourth Hypothesis	131
Results Related to the fifth hypothesis	132
Results related to the sixth hypothesis	133
Conclusion	135
Chapter Six: Conclusions and recommendat	ions
Conclusions	136
Recommendations	138
Further research	138
References	140

App	Appendices		
1	Appendix A: Figures related to the cooperative		
	learning		
2	Appendix B: Teacher's sessions in Cooperative		
	Learning15		
	9		
3	Appendix C: Translated Version of Rosenberg Self-Esteem		
	Scale		
4	Appendix D: Attitudes toward learning		
	English		
5	Appendix E: Names of professors who refreed the		
	instruments164		
6	Appendix F: Tables of specification based on the distribution of		
	questions in the test165		
7	Appendix G: Discrimination and difficulty factor166		
8	Appendix H: Achievement test designed for the purpose of the		
	study168		
9	Appendix I: The theoretical frame work on which the programme was		
	built on		
10	Appendix J: Mountain Climbing Chart195		
11	Appendix K: Sessions of the programme		
12	Appendix L: Checklist for teacher's role in cooperative		
	learning		
13	Appendix M: Roles in cooperative groups		

List of Tables

Ta	ble	
1.	Differences between Cooperative Learning and Group Learning.	36
	Sample distribution	91
	Equivalence between experimental and control groups due to age	. 92
	Equivalence between experimental and control groups in general	
	intelligence.	92
5.	Equivalence between the experimental and control groups in	
	achievement in the variables of the achievement test and	
	questionnaires.	94
6.	Pearson correlation coefficient between items for self- esteem sca	le.98
	Pearson correlation coefficient between items for attitudes	
		100
8.	1	104
	1	108
	Means and Standard Deviations of students' achievement on pre-t	
	post –test and retention for the experimental group.	114
11.	Results of Wilks' Lambda for the differences in students'	
	achievement among pre-test, post-test and retention for the	
	experimental group.	114
12	Results of Sidak post-hoc test for the difference in students'	111
1-	achievement among pre, post and retention for the experimental	
	group.	115
13.	Means and Standard Deviations of students' achievement on pre-	_
10.	post –test and retention for the control group.	124
14.	Results of Wilks' Lambda for the differences in students'	
	achievement among pre-test, post-test and retention for the control	ol
	group.	124
15.	Results of Sidak post-hoc test for the difference in students'	
	achievement among pre, post and retention for the control group.	125
16.	Results of independent t-test for the differences in students' achie	
	in post-test between experimental and control groups.	129
17.	Results of paired t-test for the differences in students' self-esteem	
	attitudes towards English language, and attitudes towards	,
	cooperative learning between pre-test and post-test for the	
	experimental group.	131
18	Results of paired t-test for the differences in students' self-esteem	
10.	-	
19	-	-
	•	test
		134
	and attitudes towards English language learning between pre-test post-test for the control group. Results of independent t-test for the differences in students selfesteem, and attitudes towards English language learning in post-for the between experimental and control groups.	and 132 test

List of Figures

<u> </u>	
Figure	
1. Learning Pyramid	41
2. Means of achievement in speaking among pre-test, post-test and	
retention.	119
3. Means of achievement in listening among pre-test, post-test and	
retention.	119
4. Means of achievement in vocabulary among pre-test, post-test and	
retention.	120
5. Means of achievement in language among pre-test, post-test and	
retention.	121
6. Means of achievement in reading among pre-test, post-test and	
retention.	122
7. Means of achievement in writing among pre-test, post-test and	
retention.	122
8. Means of achievement total score among pre-test, post-test and	
retention.	123
9. Means of achievement in vocabulary among pre-test, post-test and	
retention.	126
10. Means of achievement in reading among pre-test, post-test and	
retention.	126
11. Means of achievement in writing among pre-test, post-test and	
retention.	127
12. Means of achievement total score among pre-test, post-test and	100
retention.	128





Name: Husam Ahmed Salih Qaddumi

Nationality: Palestinian

Date and place of birth: 11/4/1977. Jayous, Palestine.

Degree: Doctorate of Philosophy.

Specialization: Methods of teaching English as a Foreign Language.

Supervisors(s): Professor Dr. Nadia Mahmoud Shereif

Dr. Ahmed Gaffar

Title of thesis: The Impact of Cooperative Learning Techniques on the

Secondary School Students' Achievement, Academic Selfesteem and Attitudes towards English as a Foreign Language

in Palestine

Abstract:

This study explored the impact of CL on 11th grade achievement, self-esteem and attitudes towards EFL in Palestine. The participants in were 53 11th grades in Qalqilya. Results showed significant differences in students' achievement, self-esteem, and attitudes towards CL and EFL skills in favor of experimental group. There were no significant differences in students' achievement in speaking, listening, and language for the control group, whereas there were significant differences in vocabulary, reading, writing and total score.

Key words: cooperative learning, students' self-esteem, attitudes.

Professor Dr. Nadia Mahmoud Shereif

Dr. Ahmed Gaffar



معهد الدراسات والبحوث التربوية

الجنسية: فلسطبني

الاسم: حسام أحمد صالح قدومي.

تاريخ وجهة الميلاد: ١ ٩٧٧/٤/١١م. جيوس-فلسطين.

الدرجة: دكتوراه.

التخصص: مناهج وطرق تدريس اللغة الانجليزية.

د. أحمد ألسيد جعفر.

المشرفون: أ.د. نادية محمود شريف.

عنوان الرسالة: فاعلية تكنيك التعلم التعاوني على تحصيل و تقدير الذات و الاتجاهات نحو تعلم اللغة الانجليزية للطلبة الفلسطينيين

هدفت هذه الدراسة الى تحديد اثر استخدام التعلم العاوني على تحصيل وتقدير الذات والاتجاهات نحو تعلم اللغة الانجليزية للطلبة الفلسطينيين. استخدم المنهج شبه التجريبي لاجراء الدراسة. اجريت الدراسة على عينة قوامها ٥٠ طالبا . اظهرت النتائج انه توجد فروق ذات دلالة احصائية في تحصيل الطلبة في اللغة الانجليزية لصالح المجموعة التجريبية. كما اظهرت النتائج ان هناك فروق ذات دلالة احصائية في تحصيل الطلبة بمهارة التكلم والاستماع؛ ببينما لا توجد فروق في تعلم الكلمات والقواعد بين المجموعة الضابطة والتجريبية وان تقدير الذات لم يتاثر بالبرنامج المقترح وكذلك عند المجموعة الضابطة. اتجاهات الطلبة تاثرت بشكل دال نسبيا على مجال تعلم مهارات اللغة الانجليزية.

(مطبعة جامعة القاهرة)



Institute Of Educational Studies Department of Curricula & Teaching Methods

The Impact of Cooperative Learning Techniques on the Secondary School Students' Achievement, Academic Self- Esteem and Attitudes towards English as a Foreign Language in Palestine

Submitted in fulfillment for the requirements of the Ph.D Degree in Philosophy of Education in Curriculum Instruction and Methods of Teaching EFL

Prepared By Husam Ahmed Salih Qaddumi

Supervised by:

Prof. Dr. Nadia Mahmoud Sherief

Professor of Educational
Psychology
Institute Of Educational Studies
Cairo University

Prof. Dr. Ahmad Al-Sayed
Mahmoud Gaffar
Part time lecturer of methods of
teaching EFL
Instituted of Educational Studies

Cairo University

Introduction

Teaching English in English as a Foreign Language context requires greater effort and adjustment with the teaching environment. Generally, teachers need to know more about their country's attitudes and approaches to education; but most of the time teachers face the challenge of large classes. Large classes may push teachers of EFL to question the methods they learned in their graduate courses because it is difficult to attain the development of the language skills in this new situation (given a large classroom).

It has been claimed that cooperative learning is an effective approach in the way it promotes the cognitive and linguistic development of learners of English as a Foreign Language (Kagan, 1995).

According to previous research involving native speakers of English and who learned content in English has suggested that cooperative learning may encourage higher self-esteem and lower feelings of alienation at school(Ghaith,2002)

This dissertation looked at the implementation of the cooperative learning as a method of teaching to cope with the large classrooms in Palestine, and its effects on achievement, academic self-esteem and attitudes towards English as a Foreign Language.

Statement of the problem

There is a shortage in studying the impact of applying cooperative learning on the Palestinian secondary school students and examining its impact on achievement, academic self- esteem and attitudes towards EFL. Consequently, there is a need to examine the theoretical relevance and effectiveness of cooperative learning in traditional school context such as

this one based on the assumption that it would promote active learning and meaningful interaction in the target language of English among learners.

The problem of the present study could be summarized in the following question:

What is the impact of applying cooperative learning on the Palestinian secondary school students on achievement, academic self- esteem and attitudes towards EFL?

Hypotheses of the Study

This study tested the following hypotheses

- 1. There are no significant differences at $(\alpha=0.05)$ in students achievement among pre-test, post-test and retention for the experimental group.
- 2. There are no significant differences at $(\alpha=0.05)$ in students achievement among pre-test, post-test and retention for the control group.
- 3. There are no significant differences at $(\alpha=0.05)$ in students achievement in post-test and retention between experimental and control groups.
- 4. There are no significant differences at (α =0.05) in students self-esteem, attitudes towards English language and attitudes towards cooperative learning between pre-test and post-test for the experimental group.
- 5. There are no significant differences at $(\alpha=0.05)$ in students' self-esteem, and attitudes towards English language between pre-test and post-test for the control group.
- 6. There are no significant differences at (α =0.05) in students self-esteem, and attitudes towards English language in post-test between experimental and control groups.