

USE OF COLLABORATIVE AND CO-OPERATIVE INDIVIDUAL GROUP STRATEGY ON STANDARD SEVEN LEARNERS' ACHIEVEMENT IN ENGLISH COMPOSITION WRITING IN PUBLIC PRIMARY SCHOOLS IN KISUMU COUNTY, KENYA

¹ Hellen W. Kamau, ² Odundo Paul, ³ Hellen Inyega

Department of Educational Communication & Technology, University of Nairobi Kikuyu Camps

ABSTRACT: Collaborative and co-operative teaching and learning and is very interactive and caters for all learners. Differentiated ways of teaching enhances the understanding of concepts to all the intended learners. Learners are unique in the way they understand concepts, thus need to plan for differentiated activities to enable all with varied entry behaviour to be all inclusive. The 21st century curriculum demands for facilitators to prepare to meet demands of the various categories of learners in all areas of activities. Value creation is enhanced through the use of Individualized learning as learners practice composition writing skill. Effective use of individual strategy to facilitate the writing skills of standard seven learners offers the learners a great chance to team work with peers in regard to behaviour; collaboration and communication well natured. The study was guided by the following objective: To examine the influence of individual group technique on learners' achievement in composition writing skills in public primary schools in Kisumu County; Drawing from The study was guided by Piaget's (1967) theory of cognitive development, specifically "constructivist" views of discovery learning. Pre-test, post-test non-equivalent group's research design was adopted. The sample size of 292 was drawn from 6 teachers of English, 6 head teachers and standard seven pupils in public schools. Questionnaire, observation schedules and check lists were used to collect data and analysis related to descriptive statistics. The study found out that for individual technique of brainstorming learning: free writing strategy which implies that the strategy was moderately used ($m = 3.20$ with SD of 1.240) in teaching composition in public primary schools; individual teaching technique implying technique is poorly used ($m = 2.55$ and SD of 1.208) adopted. The computed z values for brainstorming technique elements revealed a z -statistic value higher than the z -Critical value and P -value less than 0.05. Thus, the study rejected the entire five Null hypotheses as there was a statistically significant relationship between: individual group technique, whole class technique, small group technique, round robin technique and relay technique; and learners' achievement in composition writing skills in public primary schools in Kisumu County. The study recommended for policy use of inquiring method, for practice use of mind mapping to be implemented to boost the learner's achievement in composition writing, lastly similar studies should be carried out using inferential statistics, especially multiple regression analysis.

KEY WORDS: Individual technique, mind mapping, free writing, role playing, word play, learners achievement, composition writing

INTRODUCTION

Individual technique offers chance of autonomy by the facilitators to the learners to give power to them in order exercise differentiated learning strategy. Jang, Reeve, Deci (2010) opined that facilitator should provide clarity unique and precisions of the information .The task must be the right part to allow learners acquire relevant skills in order to avoid learners to see casual relationship. Cooperation in the working hours in the given task, experimenting different techniques and prompt feedback from all peers and facilitator is essential in individual technique Kristner; Saskia; Rakoczy; Katrin; Otto et . al .2010; Perry ;Nancy; Rahim; Ahmed et .al 2011). However if not designed sufficiently learning how to knit ideals in writing composition will not impact on learners achievement. Jang et al (2010) asserted that facilitators ought to give demonstrate the way in a variety of activities in the learning, offer direction during the group activities and offer useful feedbacks. In addition Alshammari (2015) accepted a study on Effectiveness of developing creative thinking skills .Based on the study results showed statistically significant differences in the achievement and total achievement in favour of the experimental group that he studied using the brainstorming as an instructional strategy in education and that the elementary teachers should use Brainstorming in daily lesson plans. Groups feel stimulated by the feedback thus a lot of critical thinking and writing skills is promoted. In the lack of productive feedbacks and proper management, learning will only be inadequate to the passive learners, thus learner's achievement in composition writing impact negatively.

Mind mapping learners Group

Mind mapping is known for the information storage. A number of the sub-dimensions coordinate are evident in collaborative learning in all the classrooms groups. According to Hariri (2013) using of mind map technique; his finding made known that there is significant difference in using the strategy in the language in the institute. Crowe and Sheppard (2015), found out that mind maps reveals that although decisions made in one area of research methods may affects decisions made in another, there is no Pre-determined connection between each area and the research design chosen.. The research revealed that there are many impediments' in sketch tools and three challenges were as link recognition, structure analysis and link reflow. Hun and Chik (2018) studied the effectiveness of teaching. The purpose of the research in the effectiveness of mind mapping in relation to the learners academic accompany fitments and for which class-8th social science subjects case study for mind mapping was designed. The findings were that t-ration based upon the average score of the test case, standard deviation and standard error of the average score and the aspect of mind mapping technique were known by the question notice filled and that mind mapping was more effective than traditional teaching. The study also found that mind map focused on assessing the feasibility and the applicability of the mind map technique and effective tool for summarizing understanding and recalling information. Finding was that mind map is

effective because the 100% percentage of information recalled increased and participant's achievement marks improved.

Astuti and Kumalarini (2013) established that roundtable brainstorming can get better the writing ability of grade ten students of SMAN 12 Surabaya in Writing Descriptive Texts. It can advance all the components of the students' composition except "mechanics". Noor, (2013) bring into being that brainstorming technique offers a good technique to make the students practice in writing. Fawzi, Mohammad, and Hussein (2013) discovered that both types of brainstorming were appealing to learners with more inclination given to guide brainstorming.

Free Writing learners Group

Free writing is a powerful approach for enhancing learners writing skill. (Elbow ;1998). Free writing requires jotting down what comes to the mind none stop, a lot of creativity and innovation improved, thus it creates a common sense of critical thinking skill. The environment allows satisfaction in writing .This translates to a therapeutic and empowering experience (Elbow, 2000).

Somerville and Crème (2005) reported a cooperative project in which the focused free writing technique was successfully used in a first year introductory archaeology course at a British university, which was co-taught by a subject lecturer and a writing specialist. Among the variety of writing exercises the students did in the writing strand of the course, focused free writing was found, from both the students' and the tutor's perspectives, to be the most successful part. When examining the relations between focused free writing and essay writing for the course, the tutor was able to recognize an evident tie between the first piece of focused free writing and the final essay, reflecting a chain of thought processes starting from a focused thought about the topic through the initial free writing act, moving towards more understanding of the topic, and finally reaching a personal voice with authority on the subject matter.

Role Play learners Group

Mwangi (2016) conducted a study in public secondary schools in Meru County, Kenya. This study established that teaching strategies such as role play, simulation, language games and mime have a significant influence on learner achievement. Mwangi emphasized that dramatization is an effective strategy in teaching the English language and promoting learner achievement in Ige. Mwangi (2016) conducted a study in public secondary schools in Meru County, Kenya. This study established that teaching strategies such as role play, simulation, language games and mime have a significant influence on learner achievement. Mwangi emphasized that dramatization is an effective strategy in teaching the English language and promoting learner achievement in Igembe North and ImentiSouth District, in Kenya.

Comajoan (2014) concurred with Mwangi in stating that teaching English language through dramatization has benefits in listening and meaningful interaction where learners use their language resources during the teaching and learning process. In an earlier study by Heather (2011) dramatization pedagogy provides authentic communicative environment for the learner, which stimulates understanding of concepts. mbe North and Imenti South District, in Kenya.

In addition, Comajoan (2014) concurred with Mwangi in stating that teaching English language through dramatization has benefits in listening and meaningful interaction where learners use their language resources during the teaching and learning process. In an earlier study by Heather (2011) dramatization pedagogy provides authentic communicative environment for the learner, which stimulates understanding of concepts.

Word Play learners Group

Facilitation using word play brain storming technique has demonstrated to be vital in instruction and enhancing the understanding of different concepts. Mukori (2011) who support word play, Suhail (2014) who supports for free writing; Crowe and Shappard (2015) who advocates for the use of mind maps and Chausiya (2012) who supports role play, all agree that individual technique in brainstorming is effective in developing speaking, confidence and improving inter-personal skills.

John Dewey was a rational thinker, progressivity, teacher, savant, and social reformer. He felt unequivocally that individuals have an obligation to get better the world a place to live in through training and social change (Gutek, 2014). Dewey guessed that learning was "a focal fixing in social and good progression. Dewey's perspective and rationality about tutoring and learning have affected countless instructors throughout the years and are woven all through many learning speculations, for example, dynamic training, constructivism, student focused hypothesis, and experiential information, which is all not quite the same as what Dewey depicts as a regular classroom setting (Schiro, 2012).

Table 1: KCPE Mean Scores in English Language and Composition for Kisumu County Between 2014 to 2017

Category	Mean Score Performance				
	2013	2014	2015	2016	2017
Language	53.06	47.62	49.98	50.52	47.62
Composition	41.90	41.45	41.38	40.25	39.60

Source: The Kenya National Examination Council (2017).

Statement of the Problem

In Kenya the national Examination Council has shown Primary schools learners have over the years performed poorly as indicated in the (KNEC Examination Report 2013-2017 demonstrated on the table above. Therefore, the delivery of the curriculum, monitoring and examination needs to be looked into to understand exactly where the gap is. This study has observed that the approaches taken by the teachers to deliver in Kisumu County have generally contributed to the overall results in National examinations (field observation). This study suggests that teachers of English while handling composition writing have to embrace different methods to use when teaching writing skills.

The Kenyan primary syllabus has emphasized on the resources, pedagogy of handling each component that translate to the overall performance of English language. The table 1 has shown that the grammar is better performed then the composition writing skills. Both have to be handled well since they both add up to the final grade for English as a whole paper. This is wanting since all instruction and assessment is done through the language despite its poor performance expect Kiswahili which performance well in *insha* writing than *sarufi* as evidence stipulated in (the KNEC) Examination Report 2013 -2017.

The new curriculum (CBC) has a lot of emphasis on Literacy activities especially to address the four skills which are very vital in the overall performance of English language. The brain storming technique has not been elaborated and comprehensively be looked at as a teaching strategy that can enhance critical thinking ,idea generation to boost the writing skills by the stalk holders ,the Ministry of Higher Education and Science and technology ,The Kenya institute of curriculum development. Therefore, this study provides information on the influence of brain storming technique on standard seven learner's achievement in English composition writing in public primary schools in Kisumu County, Kenya. This study has demonstrated the need and urgency of its adoption and implementation.

Purpose and Objectives

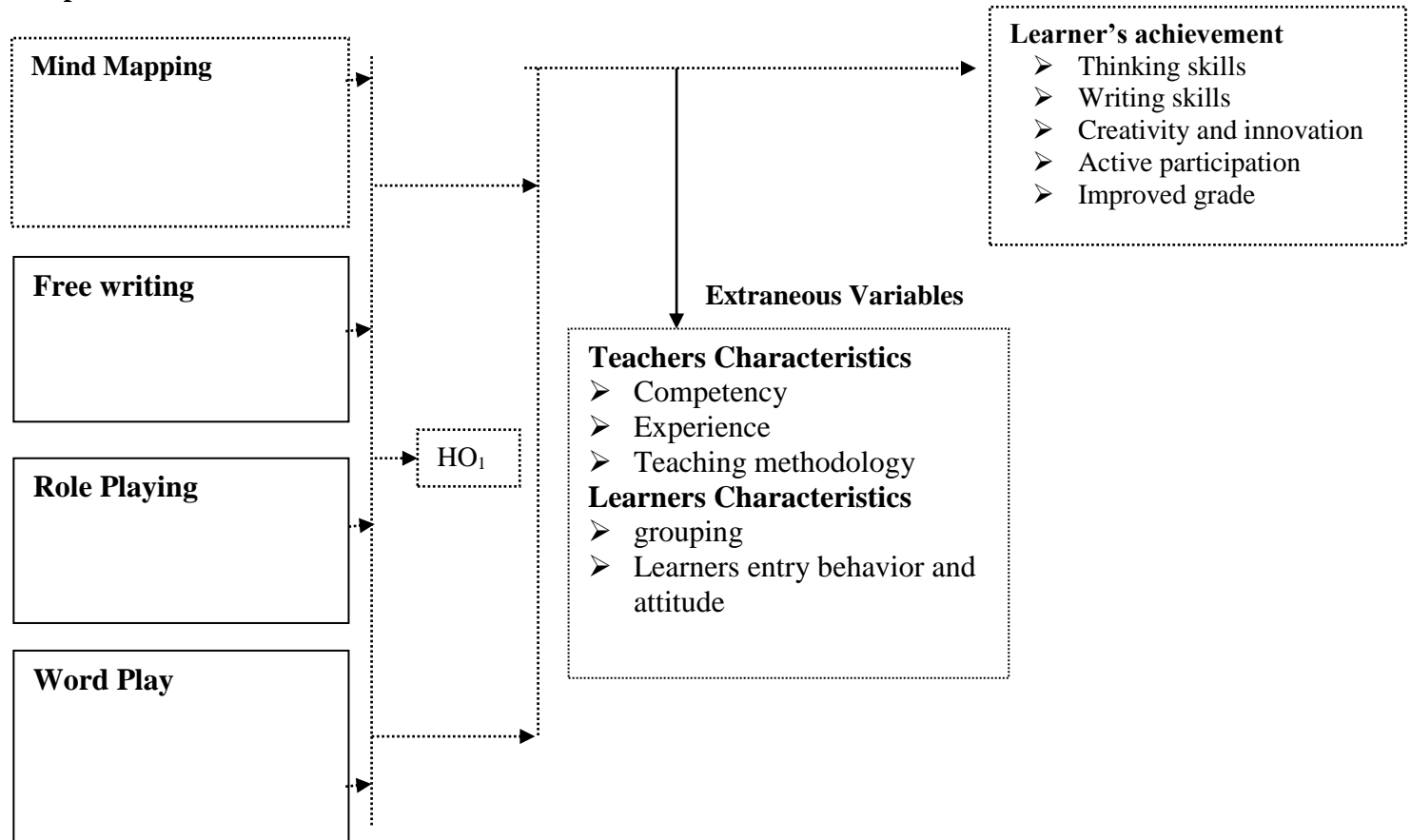
The study purposed to determine teachers' influence of brainstorming techniques in composition writing skills of English language among standard seven learners. The objective was to examine influence of mind mapping, free writing, pie role play and word play of individual class technique on learners' achievement in composition writing skills in public primary schools in Kisumu County.

THEORETICAL PERSPECTIVES

Philosophical Perspective John Dewey was a logical thinker, progressivism, teacher, savant, and social reformer. He felt unequivocally that individuals have an obligation to improve the world a place to live in through training and social change (Gutek, 2014). As per Schiro (2012). Dewey guessed that learning was "a focal fixing in social and good advancement. Dewey's perspective and rationality about tutoring and learning have affected countless instructors throughout the years and are woven all through many learning speculations, for example, dynamic training, constructivism, student focused hypothesis, and experiential information, which is all not quite the same as what Dewey depicts as a regular classroom setting (Schiro, 2012).

Conceptual Frame Work

According to Orodho, J. Nzabaliwa, W. Odundo, P. Waweru, P. Ndayambaje, I. (2016) a conceptual framework is a model of representation where a researcher conceptualizes or represents relationships between variables in the study and shows the relationship graphically or diagrammatically. The independent variables are brainstorming techniques in composition writing which are brain wave, brain storming, brain writing and pie storming. The dependent variable is the pupils' achievement and it's indicated by improved classroom participation, personalized learning and, active learning improved thinking skills, and improved writing skills, good usage of vocabulary and good sentence construction. This interplay between the independent and dependent variables is extraneously influenced by various factors such as: background knowledge, linguistic knowledge, and training of the teachers. The inter relationship among variables are conceptualized as illustrated in Figure 2.1. Brain storming technique is perceived to be a strong technique in influencing and strengthening learner's achievement.

Independent Variables**METHODOLOGY.**

The study adopted a Non equivalent control group with pre and post test research design. Cohen, Manion & Morrison (2007) asserts that non – equivalent control group design is commonly used in education research where participants have homogenous characteristics and in a class within a class where learners are naturally organized in groups. The design is ideal in classroom experiments when experimental and control groups are such naturally assembled groups as intact classes, which may be similar.

FINDINGS AND DISCUSSIONS

The study sought to examine the influence of individual group method on learners' achievement in composition writing skills. Questions for this analysis were drawn from teachers questionnaires part f (1-9), learners questionnaires part f (1-9) the hypothesis tested under the objective was Ho2, There is no statistically significant difference between

individual method and learners achievement in composition writing in public schools in Kisumu County, Kenya. Results are discussed in 2, 3, and 4,5,6,7.

Frequency of mind mapping strategy

The study sought to establish out how often teachers of English employed mind mapping strategy in teaching English composition.

Table 2: Use of Mind Mapping Strategy

Response Category	Frequency	Percent
Most of the time	0	0
Some of the time	1	16.67
Seldom	1	16.67
Never	4	66.66
Total	6	100.00

Findings from Table 2 revealed 1 (16.67%) teacher of English responded that she some of the time uses mind mapping strategy when teaching composition and 1 (16.67%) teacher of English responded she seldom use mind mapping strategy when teaching English composition writing. In addition, 4 (66.66%) teachers of English responded they have never use mind mapping strategy in teaching composition writing.

Mean and standard deviation rating for use of mind mapping strategy revealed $M=1.50$ and $SD=1.840$. This finding reveals that mind mapping strategy is never used in teaching composition writing in public primary schools in Kisumu County. This findings are in conformity with Aysequi (2010) whose study on “views of the teachers about mind mapping technique in the elementary life science and social studies lessons reported poor adoption and use of mind mapping approach techniques on teaching life science and social studies lessons attributed to low performance of secondary students in those subjects.

Frequency of free writing strategy

The study sought to establish how teachers of English use free writing in teaching composition writing in public primary schools. The results are shown in Table 3.

Table 3: Use of Free Writing Strategy

Response Category	Frequency	Percent
Most of the time	1	16.67
Some of the time	1	16.67
Seldom	3	50.00
Never	1	16.66
Total	6	100.00

Findings from Table 3 made known that 1 (16.67%) teacher of English used free writing approach in teaching composition most of the time, 1 (16.67%) some of the time used free writing strategy, 3 (50.00%) teachers of English seldom used free writing approach and 1 (16.67%) teacher of English responded she never used free writing approach in teaching composition writing. Mean and standard deviation rating of free writing strategy used revealed $M=3.20$ and $SD=1.240$. These findings reveal that free writing strategy is seldom used in teaching composition writing in public primary schools in Kisumu County. This result is in conformity with Aysequi (2010) whose study on “views of the teachers about mind map technique in the elementary life science and social studies lessons” reported lack or insignificant adoption and use of free writing strategy techniques on life science and social studies lessons.

Frequency of Role Play Strategy

The study also sought to find out how regularly role play approach is used in teaching English composition in public primary school. Findings are presented in Table 4.

Table 4: Use of Role Play Strategy

Response Category	Frequency	Percent
Most of the time	1	16.67
Some of the time	1	16.67
Seldom	1	16.66
Never	3	50.00
Total	6	100.00

Table 4.revealed that 1 (16.67%) teacher of English used role play approach most of the time, in teaching composition writing, 1(16.67%) teacher of English some of the time used role plays in teaching English composition writing. In addition, 1 (16.67%) teacher of English reported to seldom use role play strategy and 3 (50.00%) teachers of English responded never to have used role play strategy in teaching composition writing. Mean and standard deviation rating of role play strategy use revealed $M=1.80$ and $SD=1.160$. This finding reveals that role play strategy is never used in teaching composition writing in public primary schools in Kisumu County. In support of the study findings, Chausiya (2012) whose study on “Effectiveness of role play techniques in teaching dialogue” found out that the low emphasis on role play strategy of individual teaching technique significantly contributed to poor and ineffective development in English speaking among the respondents. In addition, the study reported significant advancement made by learners who were trained by role play technique.

Frequency of Word Play Strategy

The study also sought to find out how often word play strategy is adopted in teaching English composition writing in public primary schools. Results are presented in Table 5.

Table 5: Use of Word Play Strategy

Response Category	Frequency	Percent
Most of the time	1	16.67
Some of the time	2	33.33
Seldom	2	33.33
Never	1	16.67
Total	6	100.00

Findings for word play, as shown in Table 4.16, revealed that 1 (16.67%) teacher of English used word play strategy most of the time strategy in teaching composition writing, 2 (33.33%) teachers of English some of the time used word play strategy in teaching English composition writing, 2 (33.33%) teachers of English seldom used word play strategy and 1 (16.67%) teacher of English responded that she never used the strategy in teaching composition writing.

Mean and standard deviation rating of word play strategy use revealed $M=3.80$ and $SD=1.890$. These findings imply that word play strategy is used some of the time in teaching composition writing in public primary schools in Kisumu County.

Individual Technique Influence on Learners Achievement

The second phase of analysis sought to determine how individual brainstorming technique influence learners achievement. Learner respondents were asked to rate - on a five likert point scale (1=Strongly Disagree, 2=Disagree, 3=Indifferent, 4=Agrees and 5=Strongly Agrees) - the extent to which they agreed with the posed questions on indicators for each strategy, and results are discussed below.

Mind Mapping Strategy

The study pursued to find out how use of mind mapping strategy influences learners' achievement based on three indicators. Findings are presented in Table 6

Table 6: Mind Mapping Strategy Influence on Learners Achievement

Strategy Statements	Mean	Std. Dev
When I write a composition, I am able to construct short correct sentences.	3.01	1.489
I understand better what I write, whenever I am guided	3.89	1.111
I am able to use vocabulary words correctly when I understand the meaning	3.67	1.160
Average Score	3.49	1.253

From Table 6 above, learners' response to the ability to construct short correct sentences recorded $M=3.01$ and $SD=1.489$, learners' response to the ability to understand better what they write when guided recorded $M=3.89$ and $SD=1.111$ and, learners' response to the ability to use vocabulary words correctly recorded $M=3.67$ and $SD=1.160$. These findings imply that

standard seven learners were indifferent whether they could construct short correct sentences during composition writing. Learners were in agreement that they understand better what they write when they are guided and they also agreed that they are able to use vocabulary words correctly when they understand their meaning. On average, the mean score for individual strategy indicators showed $M=3.49$ and $SD=1.253$. These findings imply that use of individual teaching technique improves learners' composition writing ability.

Free Writing Strategy

The present study sought to find out the influence of free writing indicators on learners achievement in composition writing. Findings are shown Table 7,

Table 7: Free Writing Strategy Influence on Learners Achievement

Strategy Statements	Mean	Std. Dev
Constructing short sentences several times helps me improve my vocabulary.	4.01	1.289
Repeated discussions before writing of compositions improve my accuracy in writing.	3.89	1.217
I use unknown similes/proverbs well when the teacher explains them.	4.67	1.859
Average Score	4.19	1.455

Table 7 revealed that learners agree ($M=4.01$ $SD=1.289$) that their ability to construct short sentences improves their vocabulary; learners strongly agree ($M=3.89$ and $SD=1.217$) that repeating discussions before writing compositions improves accuracy in writing. Learners also strongly agree that ($M=4.67$ and $SD=1.859$) they are able to correctly use unknown similes/proverbs when the teacher explains their meaning. These findings imply that use of free writing strategy enables learners to develop ability to construct short sentences which improves their vocabulary usage and enables learners to develop discussions which improves accuracy in writing. In addition, free writing strategy enables them to correctly use unknown similes/proverbs when the teacher explains their meaning.

These finding are in agreement with Mukoroli (2011) which reported that students' ability to construct short sentences significantly depends on their vocabulary. It is also important that teachers encourage learners to develop their vocabulary through free writing and creative thinking. According to Upandhya (2012), group discussion is a powerful learning tool in which learners are able to exchange knowledge and ideas. In this regards, repeated

discussions before writing of compositions has great effect in improving vocabulary usage and improves accuracy in writing. Teachers of English should strive always to assist learners in conducting effective discussion and explaining meanings of difficult terms or clarify issues of contentions. The average mean score for free writing strategy is $M=4.67$ and $SD=1.859$ which implies that use of free writing strategy improves learners composition writing ability.

Role Play strategy

Present analysis sought to find out the influence of role play indicators on learners' achievement in composition writing. Findings are shown Table 8.

Table 8: Role Play Strategy Influence on Learners' Achievement.

Strategy Statements	Mean	Std. Dev
I am able to understand what I am writing when a web is drawn and illustrations are included.	4.81	2.289
I am able to understand what I am writing when the teacher guides me on the appropriate strategy to use.	4.59	1.817
I am able to understand what I write when I discuss with my group members.	4.27	2.859
Average Score	4.56	2.322

Table 8. reveals that learners respondents strongly agreed ($M=4.81$ and $DS=2.289$) that they understand what they are writing when a web is drawn and illustrations are included, strongly agree ($M=4.59$ and $SD=1.817$) that they understand what they write when the teacher guides on the appropriate strategy to use. Similarly, learners agreed ($M=4.27$ and $SD=2.859$) that they understand what they write when they discussed with group members. These findings imply that role play strategy use of web and illustrations enables learners to understand what they write, teachers of English guidance on which strategy to use enables learners to understand what they write and discussion with group members too enables learners to increase understanding of what they write. These findings finding concurs with Chausiyas (2012) study which reported remarkable progress made by students who were taught by role play technique as evidenced by fluency-based activities that encourage learners to develop

and creates fun environment for learning and speaking skills, to minimize the boring situation. The mean result for the three elements of role play strategy revealed $M=4.56$ and $SD=2.322$, which implies that role play strategy very strongly influences learners achievement in composition writing.

Word Play strategy

Present analysis sought to determine influence of word play on learners' achievement in composition writing in public primary schools. Findings are shown in Table 9.

Table 9: Word Play Strategy Influence on Learners Achievement

Strategy Statements	Mean	Std. Dev
I am able to understand vocabulary to use in the writing without using the dictionary.	2.21	1.098
When I write, I focus on the meaning of the topic.	3.67	1.417
I can write a good follow of the events in the story and guess what will happen as I conclude.	2.78	1.201
Average Score	2.89	1.239

Results shown in Table 9 revealed that learners disagreed ($M=2.21$ and $SD=1.098$) that understand vocabulary use in writing without using the dictionary, learner respondents agreed ($M=3.67$ and $SD=1.417$) that they focus on the meaning of the topic when writing composition and, learners disagreed ($M=2.67$ and $SD=1.417$) that they write a good flow of events in the story and guess what will happen as they conclude. These findings imply that learners in public primary schools in Kisumu County cannot understand vocabulary use in writing without using the dictionary and cannot write a good flow of the events in the story and guess what will happen as they conclude. However, findings revealed they are able to focus on the meaning of the topic when writing a composition. This finding corroborates with Mukoroli (2011) study of effective vocabulary teaching strategies for English from Academic purposes in ESL classroom. The study found that use of various vocabulary tools while using wordplay in teaching strategies improves language acquisition and expedites to language learning process. In relation to the study findings, these tools could be drawn web word

vocabularies. However the study further reported that the main barrier to students' comprehension of texts and lectures is low academic vocabulary knowledge, due to the sub technicality of the academic language, an issue that was not addressed in the study. The mean result for word play strategy showed $M=2.89$ and $SD=1.239$ which implies the word play strategy has low influence on learners achievement in composition writing.

Hypothesis Testing for Individual Technique

This study sought to test the first Null Hypothesis (H_{01}) which assumed no statistical significant relationship between individual group technique and learners' achievement in composition writing skills in public primary schools in Kisumu County. The result for Z-test statistics are shown in Table 10

Table 10: z-Test for Individual Group Techniques

Experiment Group Technique		
Technique	z-Statistics	P-value
Individual group technique	12.5398	0.0001

Result from Table 10 revealed the computed z statistic for individual group techniques $z=12.5398$ and $p=0.0001$. The computed p-value was less than the 0.05, that is $p<0.05$, which is the bench mark value for rejecting the Null Hypothesis assuming 95% significance level. Therefore, the study rejected that Null Hypothesis as there was a statistically significant relationship between individual group technique and learners' achievement in composition writing skills in public primary schools in Kisumu County.

CONCLUSION

The study concluded that brain writing approach is moderately used in teaching composition writing in public primary schools and pie storm teaching technique is highly used in teaching composition in public primary schools. In addition, use of brain storming, brain wave, and brain writing strategies relatively contributes to learners' composition writing skills. The p-value was less than the 0.05($p<0.05$) which is the bench mark value for rejecting the Null Hypothesis assuming 95% significance level. Therefore, the study rejected that Null Hypothesis, as there was a statistically significant relationship between whole group technique and learners' achievement in composition writing skills in public primary schools in Kisumu County. Thus, individual group method positively influences learners' achievement in composition writing skills in public primary schools. Finally yet importantly,

the use of brainstorming teaching technique increases pass rate by 33.5% thus learners' achievement.

RECOMMENDATIONS

Based on the findings and conclusions made by the study, the following recommendations are presented:

- ❖ Mind Mapping approach need to be implemented to enhance the composition writing skills in public primary schools in Kenya.
- ❖ For policy makers and implementers, ministry of Education and Kenya National Examination Council, should address the use of inquiring-based learning in order to provoke critical-thinking in learners as the new (CBC) gets rooted to curb the negative attitude of embracing change of teaching for life and not for exams.
- ❖ For theory similar studies should be carried out using inferential statistics, especially multiple regression analysis to assess how the individual strategies of brainstorming teaching technique contribute to overall learners' learning achievements.
- ❖ Other researches can use the Humanist child development theory to cater for the concerns of a paradigm shift to the thinking about holistic development of the learners. .

REFERENCES

- Ahmed, M. (2014). *Public school teachers' knowledge, perception and implementation of brain based learning practices*. A dissertation submitted to the School of Graduate Studies and Research, Indiana University of Pennsylvania.
- Al - khatib, D. (2012). The Effect of Using Brainstorming Strategy in Developing Creative Problem Solving Skills among Female Students in Princess Alia University College. *American International Journal of Contemporary Research*, 2(10), 10.
- Almutairi (2015), The Effect of Using Brainstorming Strategy in Developing Creative Problem Solving Skills among male Students in Kuwait: A Field Study on Saud Al-Kharji School in Kuwait City *Journal of Education and Practice* ISSN 2222-1735 (Paper) ISSN 2222-288X (Online) Vol.6, No.3, 2015
- Astuti, Ety Dwi, and Theresia Kumalarini.(2013) Roundtable Brainstorming: A Technique To Improve The Writing Ability of Students In Writing Descriptive Texts. journal.unesa.ac.id/index.php/tag/3780/roundtable-brainstorming, Vol.1. No. 03 (2013) accessed on 1 April 2014.
- Athlemoolam, L. (2004). *Drama-in-Education and its effectiveness in English second / foreign language classes* Malasia: Pengang

- Awad, S. (2013). *Using educational drama and role-playing in teaching English in Gaza governorates*. Gaza: The Islamic University of Gaza.
- Cohen, L., Manion, L. & Morrison, K. (2007). *Research methods in education (6th edn.)*. London: Routledge.
- Comajoan, I (2014). *Use of drama techniques as a methodology to teach English in infant education by teachers in Catalonia, Germany; Catalonia*
- Dalland, Cecilie P. and Klette, Kirsti. (2012). Work-plan heroes: student strategies in lower secondary Norwegian classrooms. *Scandinavian Journal of Educational Research*, 58(4), 400_423.
- Hariri, M. & Tahriri, A. (2013). *EFL learners' attitudes towards using mind mapping technique in their reading*. *Modern Journal of Language Teaching Methods*, 3(1), 39- 47. Comprehension.
- Heather, S. (2011). *How drama facilitates Language Learning. A case for using drama in the Second language classroom* Retrieved from ([http:// heatherswenddal-myefolio.com/port](http://heatherswenddal-myefolio.com/port))
- Hun and Chik (2018) The learning of mind mapping in higher Education: A Comparative Study Between Universidad de Córdoba and Università di Roma –La Sapienza Published in the Russian Federation European Researcher Has been issued since 2010. ISSN 2219-8229 E-ISSN 2224-0136 Vol. 83, No. 9-2, pp. 1682-1693, 2014 DOI: 10.13187/er.2014.83.1682
- Jang, Hyungshim, Reeve, John Marshall and Deci, Edward L. (2010). Engaging students in learning activities: it is not autonomy support or structure but autonomy support and structure. *Journal of Educational Psychology*, 102(3), 588_600.
- Kenya National Examination Council, (2007-2013). *Kenya Certificate of Secondary Examination*. Nairobi: KNEC.
- Kistner, Saskia, Rakoczy, Katrin, Otto, Barbara, Dignath-van Ewijk, Charlotte, Buttner, Gerhard and Klieme, Eckhard. (2010). Promotion of self-regulated learning in classrooms: investigating frequency, quality, and consequences for student performance. *Metacognition and Learning*, 5(2), 157_171.
- Martal, A. (2014). The Role of Computer Assisted Language Learning (CALL) for English Language learning of Elementary and High Schools In Indonesia in *Journal Register* volume 5, No. 2.
- Martin, L. (2013). *Funds of Knowledge in the Primary Classroom: Establishing Relevance in the Social Studies Curriculum*. IMPLEMENTING NEW STRATEGIES, 1(1), 29. Brain-Writing Vs. Brainstorming Case Study For Power Engineering Education
- Mukoroli, (2011). The effectiveness of the Brain Based teaching approach in enhancing scientific understanding of Newtonian Physics among form four students. *International Journal of Environmental & Science Education*. 7 (1). 107-122. [Source: <http://www2.uwstout.edu/content/lib/thesis/2011/2011kiedingerr>].

- Munther, z. (2013). *Using drama activities and techniques to foster teaching English as a foreign language: a theoretical perspective (online)* Al Quds open university(27/12/2013) retrieved from <http://www.qou.edu/English>.
- Mwangi, L (2016) Effects of Dramatization on Learning of the English Language in Meru County, Kenya. Journal of Literature, Languages and Linguistics www.iiste.org ISSN 2422-8435 An International Peer-reviewed Journal Vol.15, 2015
- Orodho, J. Nzabaliwa, W. Odundo, P. Waweru, P. Ndayambaje, I (2016) .Quantitative and Qualitative Research Methods in Education and Social Sciences : A step by step Guide to scholarly Excellence First Edition –June 2016 ,@ Kanezja publishers & Enterprises Nairobi , Kenya ISBN: 978-9966-7550-3-8.
- Perry, Nancy E. and Rahim, Ahmed. (2011). Studying self-regulated learning in classrooms. In Handbook of Self-regulation of Learning and Performance, Barry J. Zimmerman and Dale H.Schunk (eds.), 122_136. New York: Routledge.
- Upandhya, M. F. (2012). Using E-maps to organize and navigate in teaching English as a second language, *EDUCAUSE Quarterly*, 31 (1), 56-61. Al-maghawry, A. (2012). Effectiveness of Using the Brainstorming Technique to Learn Some Basic Skills and Collection of Knowledge for Beginners in Volleyball. *World Journal of Sport Sciences* 6 (4): 361-366
- Westbye, (2012). "*Don't worry Mr Trimble, we can handle it*"; *balancing the rational and emotional in the teaching of contentious topics*'. Teaching History 106, Otizere and Communities Brain-Writing Vs. Brainstorming Case Study For Power Engineering Education