

## The Effect of Scaffolding Teaching Strategy on the Achievement and Retention of Lower Basic 5 Special Needs Pupils' in Special Needs Schools in Abia State, Nigeria

### Abstract

The study investigated effect of scaffolding teaching strategy on the achievement and retention of lower basic 5 special needs pupils' in special needs schools in Umuahia North LGA of Abia state, Nigeria. The study was a quasi-experimental research design. Three research questions and three null hypotheses guided the study. The sample for the study consisted of 37 special needs pupils (drawn using stratified simple random sampling technique. Home Economics Achievement Test (HEAT) was used for data collection. The HEAT was validated by three experts: one in Home Economics Education, one in Measurement and Evaluation and one seasoned primary 5 school teacher. The overall reliability stability index of 0.81 was obtained using Kuder Richardson (K-R<sub>20</sub>) formula. The data collected from the pupils were analyzed using mean and standard deviation to answer the two research questions that guided the study, while the Analysis of Covariance (ANCOVA) was used to test the null-hypotheses at 0.05 level of significance. The results others showed that scaffolding teaching strategies independently had increasing effect on the pupils' academic achievement and retention in Home Economics respectively, having recorded higher mean gain than those in control group. It also showed that scaffolding teaching strategies independently had more increasing effect on the male pupils' interest, academic achievements and retention in Home Economics respectively than on the female pupils. Hence the study among other things recommended that Home Economics teachers be encouraged to use the method regularly while teaching in order to improve pupils' achievement in the subject. Furthermore, teachers should ensure that they use the active learning strategy (scaffolding) to teach the aspects of Home Economics where pupils regularly show gender bias in their achievement.

**Keywords:** Home Economics, Scaffolding, Achievement and Retention

### Introduction

In recent years, the important of Home Economics in family growth and development has been the subject of increased attention in Nigeria and the world-over. The rate at which this subject matter enhance family living including feeding, resource management, health and care of all family members, social relationship, decision making, political and economic wellbeing of the people is of course second to none (Anyakoha in Okoro, 2013). The knowledge of Home Economics is an essential tool in our society that conglomerates aspect of social and natural

**Comment [DM1]:** The sample was drawn from which population?

**Comment [DM2]:** What is the bracket here for?

**Comment [DM3]:** This is not necessary, unless you strongly feel it is

**Comment [DM4]:** You had earlier said three research questions, how come you are here in the same abstract referring to two research questions?

**Comment [DM5]:** Recast

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sciences. As such, in the lower Basic level of Education, Home Economics is considered as one of the most important core subject in a school curriculum. This is because Home Economics is a program of study that deals directly to many relevant life skills that will help learners thrive. In view of this, Azunwena (2012) posited that the most important aspect of Home Economics programme is that pupils do not only learn about subject matters that have relevance to their present lives, but will constantly be of use as they continue to grow. This area of study makes individual family members to make best use of their own resources and society's output and help people amend to change and shape their future (Neequaye, Darkwa, & Amu, 2014).

The study of Home Economics provides career opportunities for individual (including special needs learners) in the areas of fashion, journalism, counsellor, home economics, supervisor, business, catering, hotel management, dietetics, company representative, interior decoration and teaching. Home Economics is also very important to human and national development as it makes use of the knowledge of the arts by making living more creative. Thomas (2013) affirmed that special needs interest is motivated with teachers' use of some innovative teaching like that of scaffolding especially when the lesson is dull and boredom. Ekpenyong, Edem and Martin (2015) noted that the lessons in Home Economics must be such that will kindle pupils' interest for the subject, and for pupils to ascend beyond their limits, their retentive ability must be well activated, otherwise the teacher may have to go through the teaching process overtime.

Retention on the other hand, is the ability to recall an experience or learning that had taken place previously. It is the ability of the learner to remember or recall concepts learnt after sometime has elapsed (Chebet, 2016). This implied that poor retention produces poor recalling or transfer of knowledge. Retention according to Ngwoke and Eze in Nkechukwu (2023), is the process by which a child stores information in his memory for use at a later period. Retention occurs when facts or experiences are stored in the long term memory. A student may be able to memorize facts in the short term, but may not retain those facts over the long term memory. According to Obunadike (2014), the goal of education in the Nigerian context, is the attainment of knowledge and skills that will prepare the individual to carry out his or her peculiar role in the society. Such knowledge and skills are provided by teachers in schools. Retention will help Home Economics learners/pupils to hold to heart the value other people's cultural heritage and to embrace unity in diversity among pupils from various ethnic, culture and religious backgrounds (Dhandhan, 2016)). To discover how to meet the changing needs of individuals, families and to advance the

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community, national and world condition, the overall academic achievement of pupils in Home Economics is paramount. The problem has to be solved from the classroom and this begins with the teacher's teaching method in Home Economics.

Teaching method is the use of appropriate techniques to enhance learning. Adu and Adeyanju (2013) described teaching method as systematic patterns to be followed in the instructional process for better understanding. Whether in, formal or informal education, teaching method effectiveness makes for retention of learnt concepts. Umoren in Nwadike (2019) noted that the ability of the teacher to impart knowledge depends greatly on the method he applies during the teaching learning process. Where the method is defective, the pupils stand to lose as they do not benefit from lessons. According to Uya, *et al.*, in Ogbo (2020), for the teacher to be able to ensure order and enhance classroom learning, they have to possess necessary pedagogical skills which have to be systematic and methodical. They have to explore and make good use of their knowledge of instructional skills/strategies, whether the method adopted falls within the spectrum of mass or individualized instructional methods (Umoh, in Nikechukwu, 2023). Adu and Adeyanju (2013) opined that teaching, by its nature requires a variety of methods to facilitate teaching/learning in the class and to develop the student's knowledge and understanding to the maximum.

In recent years, research has consistently confirmed that isolated learning is not retained and the traditional approach of Home Economics consists almost entirely of teachers directing pupils to memorise presented facts or apply and figures without attention to why or when it makes sense to do so (Nikechukwu, 2022). Home Economics as a subject is a closely-knit system of ideas, principles and processes. Connections among concepts and principles should be established so that learning is less a challenge to the pupils' memory and more a challenge to his or her intelligence. In view of this, Nkama (2020) emphasized that the content to be taught has to be worthwhile and the procedure has to be totally acceptable for the activity to be classified as teaching. In respect, scaffolding teaching strategy is ideal for these instructional purposes.

Scaffolding is a strategy that has been documented in contemporary research (Azih& Nwosu, 2011). It has been revealed that learning develops by building on pupils' prior knowledge. According to Mohammed (2016), one of the characteristics of Scaffolding is that it activates prior knowledge, and this feature makes it acceptable at all levels of teaching and learning. This

Comment [DM9]: What is Umoren doing here?

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Comment [DM12]: What is the position of Uya et al in the work? Confirm in your reference

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Comment [DM15]: Put 'this' in between

is because according to Mohammed (2016), children come to school with pre-existing knowledge and through Scaffolding, learning is built on what a student already knows. Scaffolding promotes active involvement of pupils in teaching and learning process. The use of scaffolding teaching strategies can help level the playing field for all learners. Regardless of their gender and encourage their active engagement in learning.

Consequently, gender will serve as a moderator variable in this study. Gender is referred as the categorization of people into male and female. Gender is conceived as a variable used to analyze roles, rights, responsibilities, opportunities, incentives, costs, benefits and constraints which relates to men and women (Kanu in Hilary, 2023). It is all the characteristics of male and female, which a particular society has determined and assigned each sex (Betiku in Ogbonnaya, 2021). Idika, Onuoha, Nji and Eze (2018) see it as involving the psychological and socio-cultural dimensions of being a male or a female. Atubi's (2021) described gender as male and female that possesses biological features. Gender is a significant variable when taking into account individual talents and competency in learning Home Economics (Akpochafo&Oghenakoke, 2015). It is then imperative to investigate whether the use of Scaffolding can enhance lower basic 5 pupils' achievement and retention in Home Economics, since the method advocates for active involvement of learners in teaching and learning.

**Comment [DM16]:** This is supposedly a thesis work of Hilary, how is Kanu involved in it?

**Comment [DM17]:** Not referenced

### **Statement of the Problem**

Home Economics, the study of human and material resources play a critical role in preparing individuals both for productive and fulfilling lives. Despite the significant advancements in special education, and the promising potential of scaffolding and modeling teaching strategies, the unique needs of learners with special needs in Home Economics Education remain understudied.

The lack of this research has left educators without evidence-based strategies to support these pupils learning and wellbeing. The integration of scaffolding and modeling teaching strategies may offer a promising solution, but further research is needed to determine their efficacy in promoting pupils' achievement and retention in Home Economics Education. This study filled this gap by investigating the effect of scaffolding teaching strategies on special needs pupils' achievement and retention in Home Economics Education.

### **Research question**

The following research questions were posed;

1. What are the difference in the mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method?
2. What are the difference in the mean retention scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method?
3. determine the difference in the mean achievement scores of male and female students taught Home Economics using scaffolding teaching strategy and those taught using lecture method;

**Comment [DM18]:** Since you used 'are', it should be difference(s)

**Comment [DM19]:** 5 as used on the topic. Be consistent

**Comment [DM20]:** Same as above

**Comment [DM21]:** 5

**Comment [DM22]:** Start the first word with capital letter. Put it in a question form since it is a research question

### Hypotheses

**HO<sub>1</sub>:** Scaffolding teachingstrategy has no significant difference on the mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method.

**Comment [DM23]:** 5

**HO<sub>2</sub>:** Scaffolding teachingstrategy has no significant difference on the mean retention scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method

**Comment [DM24]:** 5

**HO<sub>3</sub>:**Gender has no significant effect on primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method.

**Comment [DM25]:** 5

### Methodology

The study was a quasi-experimental research design. The sample of 37 special needs lower basic 5 pupils drawnusingstratified simple random sampling technique was used for the study. Home Economics Achievement Test (HEAT) was used for data collection. The HEAT was validated by three experts: one in Home Economics Education, one in from Measurement and Evaluation, all from MichelOkpara University of Agriculture Umudike, and one seasoned primary 5 school teacher. The overall reliability stability index of 0.81 was obtained using Kuder Richardson (K-R<sub>20</sub>) formula. The data collected from the pupils were analyzed using mean and standard deviation to answer the three research questions that guided the study, while the Analysis of Covariance (ANCOVA) was used to test the null-hypotheses at 0.05 level of significance.

**Comment [DM26]:** From the population of what was the sample selected?

**Comment [DM27]:** Choose the word to use among the two words

**Comment [DM28]:** Is this the correct spelling?

**Comment [DM29]:** From where did you obtained the reliability index?

## Results and Discussion

### Research question one:

What are the difference in the mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method?

The data for answering research question 1 were analyzed and results presented in the Table 1.

**Table 1** Pretest and Posttest mean achievement scores of pupils Home Economics taught using scaffolding teaching strategy

Mean achievement scores	Number Pupils	Tests				Achievement Mean Gain
		Pre test		Post test		
		$\bar{X}$	SD	$\bar{X}$	SE	
STS	25	2.97	.404	3.27	.50	0.30
LM	15	2.67	.626	2.77	.55	0.10

STS = Scaffolding Teaching Strategy

LM = Lecture Method

Data in Table 1 showed mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy had a Pretest mean of 2.97 with standard deviation of 0.40 and a Posttest mean of 3.27 with standard deviation of 0.51, while lecture method group had a Pre-test mean of 2.67 with standard deviation of 0.63 and a posttest mean score of 2.77 with the standard deviation of 0.56. The result also showed that the scaffolding teaching strategy group had a mean gain of 0.30 while those of the lecture method group had a mean gain of 0.05. This showed that achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy had higher effect of 0.20 over those in the lecture method (Control) group.

A corresponding hypothesis that addressed the above research question is:

### Hypothesis 1

Comment [DM30]: 1

Comment [DM31]: Difference(s)

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Comment [DM33]: of primary 5 pupils

Comment [DM34]: Number 'of' pupils

Comment [DM35]: 5

Comment [DM36]: .50 is on the table, why different here? If it a round up decimal place, put the number on the table

Comment [DM37]: .55 is on the table

Scaffolding teaching strategy has no significant difference on the mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method

The data for testing hypothesis 1 were analyzed with ANCOVA and the results presented in Table 2

**Table 2 Analysis of Covariance (ANCOVA) of Effect of mean achievement scores of Pupils taught Home Economics using Scaffolding teaching strategy**

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	4.541 <sup>a</sup>	2	2.270	10.009	.000	.351
Intercept	3.487	1	3.487	15.373	.000	.294
Pretest	2.051	1	2.051	9.043	.005	.196
<b>Group</b>	<b>.938</b>	<b>1</b>	<b>.938</b>	<b>4.134</b>	<b>.049</b>	<b>.100</b>
Error	8.393	37	.227			
Total	392.083	40				
Corrected Total	12.934	39				

Comment [DM38]: Small font

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Table 2 revealed that a significant Probability (P)-value of 0.049 was obtained. Since the Probability-value of 0.049 is less than 0.05 alpha level, the null hypothesis of no significant effect was rejected. Therefore, there is no significant difference on the mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method

Comment [DM40]: I am confuse here. Has the rule of thump change? Which state: When the calculated value is greater than the critical value, the Ho is rejected but accepted when otherwise

### Research Question 2

What are the difference in the mean retention scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method?

Comment [DM41]: differences

Comment [DM42]: 5

The data for answering research question 3 were analyzed and results presented in the Table 3

Comment [DM43]: Is this research question 3 or 2?

**Table 3 Pretest and Posttest mean Retention scores of pupils Home Economics taught using scaffolding teaching strategy**

Mean retention scores	Number Pupils	Tests				Retention Mean Gain
		Pre test		Post test		
		$\bar{X}$	SD	$\bar{X}$	SD	
STS	25	2.71	.702	3.38	.358	0.67
LM	15	2.83	.502	2.72	.543	-0.11

STS = Scaffolding Teaching Strategy      LM = Lecture Method

Comment [DM44]: of

Data in Table 3 showed mean achievement scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy had a Pretest mean of 2.71 with standard deviation of 0.70 and a Posttest mean of 3.38 with standard deviation of 0.36, while lecture method group had a Pre-test mean of 2.83 with standard deviation of 0.50 and a posttest mean score of 2.72 with the standard deviation of 0.54. The result also showed that the scaffolding teaching strategy group had a mean gain of 0.67 while those of the lecture method group had a mean gain of -0.11. This showed that retention scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy had higher effect of 0.56 over those in the lecture method (Control) group).

Comment [DM45]: 5

A corresponding hypothesis that addressed the above research question is:

### Hypothesis 2

Scaffolding teaching strategy has no significant difference on the mean retention scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method

Comment [DM46]: What are the brackets about?

Comment [DM47]: 5

The data for testing hypothesis 5 were analyzed with ANCOVA and the results presented in Table 4

Comment [DM48]: Is this hypothesis 5?

**Table 4. Analysis of Covariance (ANCOVA) of Effect of mean Retention scores of Pupils taught Home Economics using Scaffolding teaching strategy**

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	4.444 <sup>a</sup>	2	2.222	12.27	.000	.399
Intercept	23.970	1	23.970	132.4	.000	.782

Comment [DM49]: Write it complete

Pretest	.507	1	.507	2.803	.102	.070
<b>Group</b>	<b>3.637</b>	<b>1</b>	<b>3.637</b>	<b>20.09</b>	<b>.000</b>	<b>.352</b>
Error	6.697	37	.181			
Total	404.270	40				
Corrected Total	11.141	39				

Table 4 showed that a significant Probability (P)-value of 0.000 was obtained. Since the Probability-value of 0.000 is less than 0.05 alpha level, the null hypothesis of no significant effect was rejected. Therefore, there is no significant difference on the mean retention scores of primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method.

### Research Question 3

What are the difference in the mean achievement scores of male and female pupils taught Home Economics using scaffolding teaching strategy and those taught using lecture method?

Comment [DM50]: differences

The data for answering research question 7 were analyzed and results presented in the Table 6

Comment [DM51]: Is this research question 7 and table 6?

**Table 5** Pretest and Posttest mean achievement scores of Male and Female pupils taught Home Economics taught using scaffolding teaching strategy

Gender	Teaching Method	Number Pupils	Tests				Achievement Mean Gain
			Pre test		Post test		
			$\bar{X}$	SD	$\bar{X}$	SD	
STS	Male	11	2.98	.418	3.32	.497	0.34
	Female	14	2.95	.407	3.24	.527	2.95
LM	Male	6	2.40	.729	2.63	.602	0.23
	Female	9	2.71	.558	2.84	.541	0.13

Comment [DM52]: separate

Comment [DM53]: Primary 5

Comment [DM54]: remove

STS = Scaffolding Teaching Strategy

LM = Lecture Method

Data in Table 5 showed that male primary five pupils taught Home Economics using scaffolding teaching strategy had Pretest mean score of 2.98 with standard deviation of 0.418 while the female had a pretest mean of 2.95 with standard deviation of 0.407. Similarly, the posttest mean score of male and female pupils were 3.32 and 3.24 with standard deviation scores of 0.497 and 0.527 respectively. For the lecture method (control group), the male and female pupils had a Pretest mean scores of 2.40 and 2.71 with the standard deviation scores of 0.729 and 0.558

Comment [DM55]: 5

respectively while they had Posttest achievement mean scores of mean scores of 2.63 and 2.84 with the standard deviation scores of 0.602 and 0.541 respectively. The table further showed that the male pupils had a mean gain of 0.34 while their female counterparts had a mean gain of 2.95. Whereas for the lecture method (control group), the male pupils had a mean gain of 0.23 while their female counterparts had a mean gain of 0.13. This indicated that scaffolding teaching strategy had more increasing effect of 0.11 on the male and 2.82 on the female pupils' academic achievements over the lecture method in Home Economics.

A corresponding hypothesis that addressed the above research question is:

### Hypothesis 3

Gender has no significant effect on primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method

Comment [DM56]: 5

The data for testing hypothesis 3 were analyzed with ANCOVA and the results presented in Table 6

**Table 6 Analysis of Covariance (ANCOVA) of mean achievement scores of Male and Female pupils taught Home Economics using scaffolding teaching strategy**

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	3.622 <sup>a</sup>	2	1.811	7.195	.002	.280
Intercept	2.693	1	2.693	10.699	.002	.224
Pretest	3.622	1	3.622	14.390	.001	.280
<b>Gender</b>	<b>.019</b>	<b>1</b>	<b>.019</b>	<b>.074</b>	<b>.787</b>	<b>.002</b>
Error	9.312		.252			
Total	392.083					
Corrected Total	12.934					

a. R Squared = .280 (Adjusted R Squared = .241)

The data in Table 6 revealed that a significant P-value of 0.002 was obtained which is greater than 0.05 level of significance. This however means that the null hypothesis stated was not rejected. Therefore, gender has significant effect on pupils' academic achievements in Home Economics. In other words, there is significant difference between the mean achievement scores of male and female pupils Home Economics using Scaffolding teaching strategy.

Comment [DM57]: Is 0.002 greater than 0.05 on a line graph?

**LOOK AT TABLE 6 DISCUSSION AGAIN YOU GAVE YOUR SAMPLE AS 37, BUT ON YOUR TABLES YOUR SAMPLE IS 40**

**Comment [DM58]:** Table 6 refers

**Comment [DM59]:** confirm

**Discussion:**

The result revealed that scaffolding teaching strategy had an increasing and significant mean score difference on the special need pupils' academic achievement in Home Economics than the use of lecture method group. In other words, pupils taught Home Economics using Scaffolding teaching strategy recorded higher mean achievement than their counterpart taught using the lecture method. This result collaborated with Raja and Nagasubramani (2018) who posited that

**Comment [DM60]:** This is not in your introduction or the work how is it relevant in this discussion?

the learning outcomes of scaffolding boosts pupils' engagement and motivation in the classroom.

The study equally agreed with Etobro (2019) whose findings demonstrated that a high and substantial impact on their academic performance when scaffolding is used as medium of instruction. Also, Joda (2019) found that pupils who were taught using an instructional scaffolding strategy had considerably superior academic attainment than those who were taught using the lecture method.

**Comment [DM61]:** Same here. Literature used in your work is what you use in your discussion

**Comment [DM62]:** This also is not in your literature

It was found from the study that Scaffolding teaching strategy had an increasing and significant mean score on the pupils' retention in Home Economics than the use of lecture method. Specifically, the pupils taught Home Economics using Scaffolding teaching strategy had higher mean retention than their counterpart taught using lecture method. In other words, pupils exposed to Scaffolding teaching strategy were able to retain more concepts taught in Home Economics than their counterparts in the lecture or conventional groups. The result does not align with Van (2010) who observed no significant difference between the groups in achievement, retention and attitude towards the two teaching methods. Although, Abakpa (2010) who maintained that carefully implemented scaffolding lessons help to increase pupils' achievement and retention ability in any subject of their interest.

**Comment [DM63]:** This is not in your literature, it has nothing to do with the discussion of your work

**Comment [DM64]:** This too is not to be used for this discussion as it is not part of your literature. Most worrisome is the fact that all the authorities used for your discussion are not in your reference

Moreover, in a continued findings, gender has no significant effect on primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method. Specifically, male pupils taught Home Economics using scaffolding teaching strategy had a higher mean achievement than the female pupils. However, gender has no significant effect on primary five special needs pupils' taught Home Economics using scaffolding teaching strategy and those taught using lecture method. The result collaborated with that of Okeke, Okey Omeodu (2018) who carried out similar studies and found among others that male pupils taught different school subjects scaffolding teaching strategy were able to outperform their female counterparts. It implied that the male pupils who were exposed to the scaffolding teaching strategy recorded higher mean achievements than females. Furthermore, the results showed that there was no significant difference between the mean achievements of male and female pupils taught Home Economics using Scaffolding teaching strategy. This entails that there was no wide difference between the achievements of the two gender in Home Economics when taught using Scaffolding teaching strategy. In other words, the both the male and the female pupils taught using Scaffolding teaching strategy performed well in Home Economics.

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Comment [DM67]: Not in your literature hence cannot be used for your discussion

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### Recommendations

Based on the findings of this study the following recommendations were made by the researches:-

1. Since the scaffolding teaching strategies has been found to be effective in promoting achievement of special needs pupils' interest, achievement and retention in Home Economics education, Home Economics teachers should be encouraged to use the method regularly while teaching in order to improve pupils' performance in the subject.
2. Teachers should ensure that they use the active teaching strategy (scaffolding) to teach the aspects of Home Economics where pupils regularly show gender bias in their achievement.
3. Educational researchers should carry out studies to identify other aspects of Home Economics where scaffolding strategy could be effectively used to reduce gender disparity in achievement in the subject.

#### **Conclusion:**

This study investigated effect of scaffolding teaching strategy on the achievement and retention of lower basic 5 special needs pupils' in special needs schools in Umuahia North LGA of Abia state.

1. The result has shown that scaffolding teaching strategy had significant effect on pupils' academic achievements in Home Economics.
2. Scaffolding teaching strategy had an increasing and significant mean score on the pupils' retention in Home Economics than the use of lecture method.
3. Finally, the result revealed that there was no significant difference between the mean achievement of male and female primary five special needs pupils' taught Home Economics using modelling teaching strategy and those taught using lecture method.

Comment [DM69]: 5

Comment [DM70]: Modelling or scaffolding?

UNDER PEER REVIEW

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**Comment [DM71]:** This is supposed to be a book chapter, the author of the book has to be referenced  
Along side the chapter author from which you cited

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**Comment [DM72]:** This is not found in the body of the work

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**Comment [DM73]:** Which is correct, 2022 as in the work or 2023 as in the reference?

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**Comment [DM74]:** 2018 or 2019 which is correct?

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**Comment [DM75]:** Where is the position of Uya et al in this reference as you so used in the body of the work?

**Comment [DM76]:** What is the position of Betiku in the thesis work of Ogbonnaya as you so used in the body of the paper

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