

# Effectiveness of Contextualized Self-Learning Modules to The Performance of The Grade 10 Students In MAPEH

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**Abstract** — This study aimed to determine the Effectiveness of contextualized self-learning Modules to the performance of the Grade 10 students in MAPEH in Linao National High School in the Division of Ormoc City. The findings of the study served as a basis of a proposed Intervention plan. The result of this study which focuses on the significant difference in the pretest and posttest scores of grade 10 students before and after the utilization of the contextualized self-learning modules in MAPEH is significantly effective considering that the pretest scores is directly proportional to the critical t value the same with the posttest performance and computed t value which indicates that the use of contextualized Self-learning modules in the delivery of the most essential learning competencies in Music, Arts, Physical Education and Health in the identified grading period is significantly effective and help the learners in improving their performances even though they have already idea on the other different strategies they experience for the past several months or years while experiencing pandemic in the new normal of learning the different topics in the aforementioned subject. Other factors also why students are really excelling their performance maybe because they are also well guided with the teachers since the DepEd is already implementing limited face to face to the learners, thus the teachers can easily followed up to the learners if ever there are certain gray areas that need to be clarified in their own level. Another thing is that contextualizing materials based from the norms or standards in the central office is very important in improving the skills or performances the performances of the Grade 10 pupils.

**Keywords** — *Effectiveness, Contextualized; Self-Learning Modules, Mapeh, Grade 10 Students*

## I. Introduction

In the developing and changing world, it has become important for children to learn ways to obtain information instead of memorizing information because of the rapid obsolescence of information. This change and development in the world has also brought the change and development in the field of education.

When Pandemic Strikes the Philippines the Department of Education undeniably suffers from its result not only to the teachers but also to the students, and as a solution to the problem on

delivering quality education to the students on a safe manner there is Contextualized Self-Learning Module where in students can learn on their own. There is a much need of research on the effectiveness of the Contextualized Self-learning module especially to the students who are not always independently learning own their own. This research will show what are the challenges the students may face during the delivery of Contextualized Self-Learning Module and as a teacher how can it be as effective as Face-to-Face learning format.

The COVID-19 pandemic has delivered uncertainty into important components of country wide and worldwide society, consisting of for school, the Department of Education gave solutions to address the issues brought up by this pandemic concerning the delivery of Quality Education that will not alter the health not just for the Teachers but also for the students which is The SLM or the Self-Learning Module. As teachers the SLM helps teacher to deliver the not just the Quality Education but also to test the independency of the learners to learn through this module. Self-learning module does not end with answering the physical module, but it also offers enables the learners to learn what they want when they want, and how they want with the guide of the teachers.

The Department of education adapted the new form of Teaching since the Covid 19 hit during 2020 a lot of advantages been emerged since the new of delivery mode of learning but despite of the advantages there is also disadvantages to some of the subjects during Self-learning modules particularly on MAPEH subjects. No self-discipline. No face-to-face interaction, Lack of flexibility, Lack of input from teachers. Teachers on this subject area find it hard to test the performance of the students especially those students who are lack of materials such as Gadgets to record their performance so that the teachers can see their output. This kind of problems makes the grading of teachers a bit harder but as teachers, The teacher takes the responsibility of monitoring the progress of the learners, teachers find ways to make solutions with these kinds of problems.

With the aforementioned details, the researcher wanted to know whether the Contextualized self-learning modules will be helpful to the learners even without the teacher instead their parents will guide them at home as well as improve their learning or academic performances.

This study aimed to determine the Effectiveness of contextualized self-learning Modules to the performance of the Grade 10 students in MAPEH in Linao National High School in the Division of Ormoc City. The findings of the study served as a basis of a proposed Intervention plan.

Specifically, this study sought to answer the following questions.

1. What is the pretest performance of the Grade 10 students before the utilization of contextualized self-learning modules in MAPEH?

2. What is the posttest performance of the Grade 10 students after the utilization of contextualized self-learning modules in MAPEH?
3. Is there a significant difference on the pretest and posttest performances of the Grade 10 students before and after the utilization of contextualized self-learning modules in MAPEH?
5. What enhancement plan of the SLM in MAPEH can be proposed based on the findings of the study?

### Statement of Null Hypotheses

Ho1.: There is no significant difference on the pretest and posttest performance of the Grade 10 students in MAPEH before and after the utilization of contextualized self-learning modules ?

## II. Methodology

**Design.** This study used the quasi-experimental method of research to use contextualized self-learning modules in MAPEH in measuring the performance of the Grade 10 students. The results were basis for an intervention Plan. The researcher utilized universal Sampling in selecting the respondents of the study. Linao National High School in District III in Ormoc City Division is the main locale of the study. The Grade 10 students taking the MAPEH subject are the main respondents of the study and the data based on the students' performance ratings such as pretest score performances and posttest performances were utilized.

**Sampling.** There are 100 randomly selected students who are included in the study and the primary means of reach is through Messenger and cellphones.

**Research Procedure.** The researcher asked permission from the Schools Division Superintendent as well as to the Public School District Supervisor (PSDS) in Ormoc City District III to conduct a research study in the school. The researcher immediately conduct an orientation to the teachers of Linao National High School who conducted the test. The research instruments were administered to the identified respondents (Grade 10 MAPEH Students). Then the teachers utilized the pretest and Posttest of the Self Learning Modules in Music, Arts Physical Education and Health (MAPEH) from the first grading Period to 3rd Grading period. After conducting the pretest, the researcher immediately starts the intervention/activities by giving the Self-Learning Modules in MAPEH for the 1st to 3rd quarter to the identified participants. After giving the intervention, the posttest was given to the identified respondents. After the giving the posttest, all the data was gathered and consolidated by the researcher for possible statistical treatment. Tallying of results and treatment of data. Analysis and Interpretation of Data. Making of Proposed Improvements

**Ethical Issues.** The right to conduct the study was strictly adhered through the approval of the principal, approval of the Superintendent of the through the approval the Schools Division Research Committee (SDRC) Orientation of the respondents both the students and the teachers was done.

**Treatment of Data.** Effectiveness of contextualized self-learning Modules to the performance of the Grade 10 students in MAPEH through the test score performances of the Grade 10 students was treated through a weighted mean. The same data was used to find out the significance difference of the two variable given.

### III. Results and Discussion

**TABLE 1**  
**PRE-TEST PERFORMANCE OF GRADE 10 IN MAPEH**

Score Range	Description	PRETEST	
		Frequency	%
33-40	Excellent	0	0
25-32	Very Good	0	0
17-24	Good	70	70
9-16	Fair	30	30
1-8	Poor	0	0
Total		100	100
<b>Weighted Mean</b>		<b>17.78</b>	<b>Good</b>

Table 1 shows the Pretest Performances of the Grade 10 students in Music, Arts, Physical Education and Health utilizing the contextualized Self-Learning Modules based on the most essential learning competencies based on the given time of each competency to be given to the students during the teaching and learning process. The abovementioned scores were coming from the different data or scores based from the questions from the first Grading Questions to 3rd Grading period questions taken by the grade 10 students.

Based from the results given in table 1 on the pretest performance of the Grade 10 learners in MAPEH subject shows that from the Excellent level which has the score ranging from 33-40 and it has said to be the highest class interval among the intervals taken. Based from this class interval, none from the 100 students or 100 percent the same results in the score or class interval from 25-32 which describe as very good level in which none from the aforementioned total number of respondents belong to this performance level. In the good level of performance which the score ranging from 17-24, there were 70 total number of respondents who took the pretest examination

or 70 percent from the 100 percent overall percentage number of respondents of this study while on the fair level of performance which has 9 to 16 score range, in this level of performance, there were 30 total number of respondents or 30 percent out of the 100 overall total number of respondents who took the pretest examination.

The results in table 1 on the pretest performance of the Grade 10 learners in Music, Arts, Physical Education and Health before the integration of contextualized Self-Learning Modules which is based on the different competencies which are essential for a specific grading period implied that the Grade 10 learners have already gained knowledge or skills based from their stock knowledge from the previous learning experience they gone through in learning the subject and it has great manifestation that learners really find ways to learn the subject even though they are not fully guided with teachers during the time when the restrictions are very challenging considering the performance in the pretest which has weighted mean equal to 17.78 percent which clearly identified in the score ranging from 17-24 and it is interpreted as good level of performance. The result could further explain that though the students are gaining good level of performance, let us also consider those students who are belong to fair level of performance which are 30 respondents in which they attention for them to improve their performance level thus, this identified students who are belong to the fair level of performance and even those students who are belong to the good level of performance are still need innovation/strategies or methods in order to increase their score performances from fair to good, from good to very good and even to excellent of performance. One of the reasons why there are some grade students are still gaining fair level of performance because they have really experiencing difficulties in learning the subject particularly to those topics who are need additional time of efforts for both students and teachers considering also that there were no perfect materials to be taken into consideration in the implementation of different learning competencies in this time of pandemic.

**Table 2**

**POST TEST PERFORMANCE OF GRADE 10 IN MAPEH**

Score Range	Description	POST TEST	
		Frequency	%
33-40	Excellent	97	97
25-32	Very Good	2	2
17-24	Good	1	1
9-16	Fair	0	0
1-8	Poor	0	0
Total		100	100
<b>Weighted Mean</b>		<b>37.15</b>	<b>Excellent</b>

Table 2 shows the Posttest Performances of the Grade 10 students in Music, Arts, Physical Education and Health utilizing the contextualized Self-Learning Modules based on the most essential learning competencies. The abovementioned scores were coming from the different data or scores based from the questions from the first Grading Questions to 3rd Grading period questions taken by the grade 10 students after the integration of the Contextualized self-learning modules. These Self-learning modules are learning materials that were locally contextualized and embedded local ideas by the teachers to create a more concrete examples of knowledge and skills that the grade 10 students need to learn as they will be experiencing different transition of learning.

Based from the results given in table 2 on the pretest performance of the Grade 10 learners in MAPEH subject shows that from the Excellent level which has the score ranging from 33-40 and it has said to be the highest class interval among the intervals taken. Based from the results it can be seen that among the five (5) class intervals shown in the table, majority of the grade 10 learners are belong to this level considering the results in which the results shows the 97 total number of respondents belong to this level or 97 percent out of the 100 respondents who took the assessment or 100 percent. While in the interval from 25-32 which describe as very good level there were 2 total number of respondents or 2 percent from the aforementioned total number of respondents belong to this performance level. In the good level of performance which the score ranging from 17-24, there were 1 total number of respondents who took the posttest examination or 1 percent from the 100 percent overall percentage number of respondents of this study while on the fair level of performance which has 9 to 16 score range, in this level of performance, there were none from the respondents belong to this level of performance the same thing to the poor level of performance which has a score ranging from 1-8.

The results in table 2 on the posttest performance of the Grade 10 learners in Music, Arts, Physical Education and Health before the integration of contextualized Self-Learning Modules which is based on the different competencies which are essential for a specific grading period implied that the Grade 10 learners have already increased their performances based on the knowledge or skills learned from the integration of the contextualized self-learning modules aside from the different learning strategies they gone through in learning the subject. It is further explain that integrating another innovation or strategies in the delivery of the different topics based on the most essential learning competencies in MAPEH is very significant in improving the learning or increasing the skills of the students considering their performance in the posttest which has weighted mean equal to 37.15 percent which clearly identified in the score ranging from 33-40 and it is interpreted as excellent level of performances. The result could further explain that delivering the most essential learning competencies to the students using the contextualized self-learning modules in very important in order for the students to choose particular ways or means that could help them in boosting their skills or knowledge in learning the subject

**Table 3**
**Test of Difference Between the Scores in the Pre-test and Post-test of Grade 10 in MAPEH**

Aspects	Test Scores		Computed T	Critical T	Decision	Interpretation
Grade 10 MPEH	Pre	17.78	2.908	0.002	Reject H <sub>o</sub>	Significant
	Post	37.15				

Table 3 presents the test of difference between the test scores in the pretest and posttest in MAPEH of grade 10 Students Before and After integration of the different topics using Contextualized Self-Learning Modules. In this table, it can be gleaned that in the pretest performance of the grade 10 students is lower than the posttest performance which is equal to 17.78 and 37.15 respectively which resulted to the results in the computed t value of 2.908 which is greater than the critical t value of 0.002. So, Therefore the null hypothesis which states that there is no significant difference between the pretest and posttest performance of the Grade 10 students in MAPEH before and after the integration of Contextualized Self-Learning Modules is rejected.

The result of this study which focuses on the significant difference in the pretest and posttest scores of grade 10 students before and after the utilization of the contextualized self-learning modules in MAPEH is significantly effective considering that the pretest scores is directly proportional to the critical t value the same with the posttest performance and computed t value which indicates that the use of contextualized Self-learning modules in the delivery of the most essential learning competencies in Music, Arts, Physical Education and Health in the identified grading period is significantly effective and help the learners in improving their performances even though they have already idea on the other different strategies they experience for the past several months or years while experiencing pandemic in the new normal of learning the different topics in the aforementioned subject. Other factors also why students are really excel their performance maybe because they are also well guided with the teachers since the DepEd is already implementing limited face to face to th learners, thus the teachers can easily followed up to the learners if ever there are certain gray areas that need to be clarified in their own level. Another thing is that contextualizing materials based from the norms or standards in the central office is very important in improving the skills or performances the performances of the Grade 10 pupils.

#### IV. Conclusion

Based on the findings of the study, it showed that the Contextualized Self-Learning Modules are significantly effective in increasing the performance of the Grade 10 students. Thus

utilizing or integrating the intervention in the delivery of the most essential learning competencies in the four areas are highly encouraged.

## V. Recommendations

1. That contextualized Self-Learning Modules should be utilized by the teachers handling Multi-grade learners in order for them to be more motivated in their lives as learners.
2. The Chief in CID, Public School District Supervisors and Education Program Supervisor handling MAPEH Subject should religiously evaluate Contextualized Self-Learning Modules basing the Most Essential Learning Competencies as well as utilizing the norms or standard set by the Bureau of Learning Resources to attain success in conducting quality assurance to the Learning Materials crafted.
3. The School Principal should conduct In-Service Training on how to craft contextualized SLMs based on the needs of the learners specially those learners specially the multi-grade pupils.
4. Furthermore, the researcher allows future researchers to conduct the same study to verify the effectiveness of the learners activity sheets to the performance of the Grade 10 students.

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