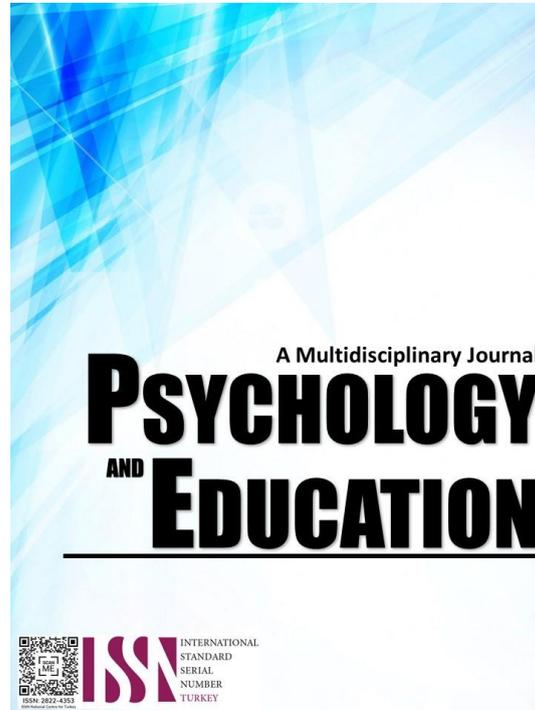


VIDEO CLIPS INTEGRATION IN UNDERSTANDING EMBROIDERY ARTICLES AMONG GRADE SEVEN STUDENTS IN ROSARIO NATIONAL HIGH SCHOOL



PSYCHOLOGY AND EDUCATION: A MULTIDISCIPLINARY JOURNAL

2022
Volume: 6
Pages: 8-10
Document ID: 2022PEMJ404
DOI: 10.5281/zenodo.7423999
Manuscript Accepted: 2022-10-12



Video Clips Integration in Understanding Embroidery Articles Among Grade Seven Students in Rosario National High School

Jonel B. Soriano*

For affiliations and correspondence, see the last page.

Abstract

This study was conducted to evaluate the effectiveness of integrating video clips in helping students to have a deeper and higher understanding of embroidery articles among grade VII students at Rosario National High School. Filipino learners lagged behind other countries in Science and Mathematics education. Because of this, teacher-researchers of the country developed, administered, and tested different interventions and remediation to improve the teaching-learning process in the country. This prompted the proponent to conduct research on integrating video clips in understanding embroidery articles among 34 participants of Grade VII students at Rosario National High School. A Pre-experimental research design, particularly the pre-test-post-test design, was used employing the total enumeration sampling. The pre-test and post-test mean scores showed that the understanding of the participants increased a lot by 15.59. This implied that there is an increase in their performance and the participants performed well during the post-test. Moreover, the paired sample t-test analysis and the computed revealed that the intervention has a significantly large effect on the score of the participants. Hence, it is concluded that integrating video clips with modular instruction in the new normal is effective in helping students to have a deeper and higher understanding of embroidery articles. Thus, it is highly recommended that video clips must be integrated with modular instruction on the different topics in handicrafts as well as other subjects in the new normal.

Keywords: *level of understanding, embroidery articles, video clips, integration, public-school*

Introduction

Today's world is increasingly becoming more technology and information-oriented and excellence in the field of Technology and Livelihood Education is necessary for effective living and to be globally competitive. TLE Teachers continue to provide quality education to their students to make the 21st Century students by adapting different innovations by fast-changing technology.

According to OECD (2018), TIMSS (2019), and Bernado (2020), Filipino learners lagged behind other countries in Science and Mathematics education. Because of this, teacher-researchers of the country developed, administered, and tested different interventions and remediation to improve the teaching-learning process in the country.

Based on the performance of Grade VII students at Rosario National High School in handicrafts particularly on embroidery articles performance test last school year 2020-2021 was remarkably low as it is indicated in their computed grades. 42 students out of 53 students got grades ranging from 75%-79%.

Furthermore, research revealed that grade VII students have mostly very short attention spans and low interest in reading long texts, especially in this generation age where technology is at their fingertips at all times. If

teaching is done straight out of a handicraft module or just reading from printed modules, they cannot grasp well what is expected for them to learn. It is therefore important to integrate or incorporate video clips in the lessons, especially at this moment, with the absence of the teacher to explain the lesson. Short little five-minute videos on the topics will help them understand better.

Moreover, research estimates that 90% of information transmitted to the brain is visual and they're processed 60,000 times faster than text. This proves that video can improve learning and increase the rate at which students retain information.

Also, studies have shown that the use of short video clips allows more efficient processing and memory recall. The visual and auditory nature of videos allows each user to process information in a way that's natural to them. In a nutshell, videos are good teachers (Bevan, 2020). In addition, research also shows that videos are useful media to demonstrate aspects that cannot be recreated in a classroom. Most pupils are interested in video, and it can stimulate and arouse curiosity.

Modular learning has been used to continuously provide quality education to learners in this present hard time of the pandemic situation. But it is noted by the proponent that during home visitation conducted to monitor learners' modular learning, 25 students out of



34 students give feedback that they find difficulty understanding the written concepts on the modules. Moreover, there are about 20 parents who gave feedback that they also find difficulty in explaining the concepts to their children.

The above reasons prompted the proponent to conduct research on integrating video clips in understanding the embroidery articles among grade VII students. Furthermore, to supplement the absence of a teacher to discuss the concepts in the distance learning mode. It would be difficult for the students to imagine the embroidery articles by just reading from the modules. Surely learners are more interested and feel it as more interesting and enjoyable to engage in than just reading from the concepts printed in the module. The students can view the video clips using their smartphones, television, tablet, or laptop even without internet. That is why the purpose of this action research is focused on integrating videos with modular instruction in the new normal.

Research Questions

This study focused on the integration of video clips in understanding the embroidery articles among Grade VII students at Rosario National High School. Specifically, it focused to answer the following questions:

1. What are the mean pre-test and post-test scores of participants after video clip integration?
2. Is there a significant difference between the pre-test and post-test scores of the participants?
3. What is the effect size of the video clip integration in understanding the embroidery articles of the Grade VII participants?
4. What activity plan should be done to further improve/develop/enhance the intervention (video clips) for its effective utilization?

Literature Review

According to Bevan (2020) videos are good teachers. Studies have shown also that the use of short video clips allows more efficient processing and memory recall. The visual and auditory nature of videos allows each user to process information in a way that's natural to them.

This paper is designed to test the effectiveness of integrating video clips in understanding the embroidery articles. It was guided by the paradigm below. The inputs for the paper are the pre-test and

post-test scores of the participants after video clips integration. Wherein, these scores were analytically compared. This paper is expected to provide a database information on the effectiveness of video clips integration in understanding embroidery articles together with a proposed activity plan to further improve integration of video clips.

Methodology

This action research made used of pre-experimental design. Pre -experimental design was utilized since the main objective of this study is to test the effectiveness of integrating video clips in understanding the embroidery articles.

Participants. The participants of this study were the 34 Grade VII students at Rosario National High School for the first quarter of this school year 2021-2022.

Instruments of the Study/ The researcher underwent the following procedures to come out with the study: A 30-item, teacher-made pretest utilization of the intervention (video clips) and submission of output from the module followed. After the utilization of the intervention, teacher-made 30-item posttest that is parallel to pretest.

Procedures. This study used a pretest and posttest made by the teacher. The data collected were analyzed using IBM SPSS Statistics Version 25.

Results and Discussion

This section presents the discussion, interpretation, and analysis of data based on the problems of the study.

Table 1. *Pretest and Posttest Mean Scores of Participants after Video Clips Integration*

| Test | N | Mean | Standard Deviation | Qualitative Description |
|-----------|----|-------|--------------------|-------------------------|
| Pre-Test | 34 | 9.85 | 3.24 | Low |
| Post-Test | 34 | 25.44 | 2.02 | Mastered |

Table 1 shows the pretest and posttest mean scores of participants after video clips integration. It reveals that the mean scores of the participants before and after the video clips integration are 9.85 and 25.44 respectively.



This means that before the video clips integration, the participants have low understanding on embroidery articles. On the other hand, the participants have a mastery on embroidery articles concepts after the video clips integration.

Table 2 Paired Sample t-test Result on the Difference Between the Pre-test and Posttest Scores of the Participants

| Test | Mean | SD | Df | t-value | P-value | Decision |
|----------|-------|------|----|---------|---------|-----------|
| Pre-test | 9.85 | 3.24 | 33 | 33.549 | 0.000 | Reject Ho |
| Posttest | 25.44 | 2.02 | | | | |

A paired sample t-test was conducted to compare the scores of the participants before and after video clips integration. On the average, the participants performed better after (M = 25.44, SD = 2.02) than before (M = 9.85, SD = 3.24) the video clips integration. This improvement was statistically significant at 95% confidence interval, $t(33) = 33.549$, $p < 0.05$. Thus, the Null Hypothesis (Ho) is rejected. This implies that the integration of video clips is effective in improving the understanding of students on embroidery articles.

Table 3: The Effect-size of the Video Clips Integration

| N | t-value | Eta ² | Effect Size |
|----|---------|------------------|--------------|
| 34 | 33.549 | 0.97 | Large Effect |

Table 3 shows the effect-size of the video clips integration in understanding the weather elements of the Grade VII participants. It is reflected on the table the value of Eta² which is 0.97 and safe to say that the

integration of video clips has large effect on how Grade VII participants understand weather elements. Hence, the integration of video clips is very much beneficial in helping students understand embroidery articles better. This finding agrees with Max Bevan (2020) who claims that videos are good teachers.

Conclusion

Based on the findings of the study, it can be concluded that the level of understanding of students on embroidery articles has improved after the integration of video clips. The findings also show that the video clips integration has significant large effect on the level of understanding of students on embroidery articles. Hence, we can say that integrating video clips with modular instruction in the new normal will help students to have deeper and higher understanding on embroidery articles.

References

Brainly.ph (2021), What is the purpose of video clips, <https://brainly.ph/>

Max Bevan, B.B.A (2020), Next Thought Studios, Why Videos Are Important in Education, <https://www.nextthoughtstudios.com>

Bernardo, Jaehwa (2020), PH Ranks Last Among 58 Countries in Grade 4 Math, Science: Study, TIMMS(2019), news.abs.cbn.com

National Report of the Philippines, <https://www.deped.gov.ph/wp-content/uploads/2019/12/PISA-2018-Philippine-National-Report>

Affiliations and Corresponding Information

Jonel B. Soriano

Rosario National High School
 Department of Education – Philippines
 Saint Paul University of the Philippines
 Tuguegarao City, Philippines