

**UTILIZATION OF POWER DIRECTOR, AN ANDROID PHONE
APPLICATION TO IMPROVE THE MASTERY LEVEL OF
GRADE 10 ENGLISH LITERATURE STUDENTS**

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Rizal National High School (RNHS) is located seven (7) kilometers away from the city proper. Agriculture is the main source of livelihood where most cases of absenteeism is link to.

As a result, students need to cover up those days when they missed attending their classes, classroom interaction opportunities, and mastery assessment tests.

Printed materials were used to address the missing lessons and activities of the class.

Though the strategies have been crucial in addressing the gap, students, however, have failed to submit for the mastery assessment, which constitute 50% of the over-all rating.

In the light of addressing the problem, the researcher would like to utilize the available resources that these students are in contact 24/7 and are influenced by. It is the cellular phones (Fernandez, 2018).

Recently, few researchers have proven the significant contribution of gadgets in teaching and learning process.

But there was no study conducted to determine the use of gadgets as authentic measures of students' mastery in the Grade 10 literature class using the one group pretest-posttest quasi-experimental design.

Every year, these cell phone gadgets evolve offering the market with various features of entertainment and learning through its ready-to-use applications. The evolution of gadgets and its existence in the classroom is a challenge that teachers need to take advantage of.

The researcher, with the review of the different android phone applications, found an application which is perceived to be very special and potential in determining and in improving students' mastery, the Cyberlink PowerDirector.

The application contains timeline, sharing button, setting, and playback. It helps users to add music, record voice, and import text. In the timeline, users can trim, edit, and overlap videos for artistic visual effects.

The research sought to answer the questions:

- 1.) Will Cyberlink PowerDirector, as an assessment tool improve the mastery assessment scores of Grade 10 students?
- 2.) To what extent will the change of the grades in the mastery assessment improve the final rating of students?

There were two hypotheses tested in the study:

- 1.) There is no significant difference between the pre and post-mastery assessment scores of Grade 10 students; and
- 2.) There is no significant relationship between the mastery assessment scores, and the final rating grades.

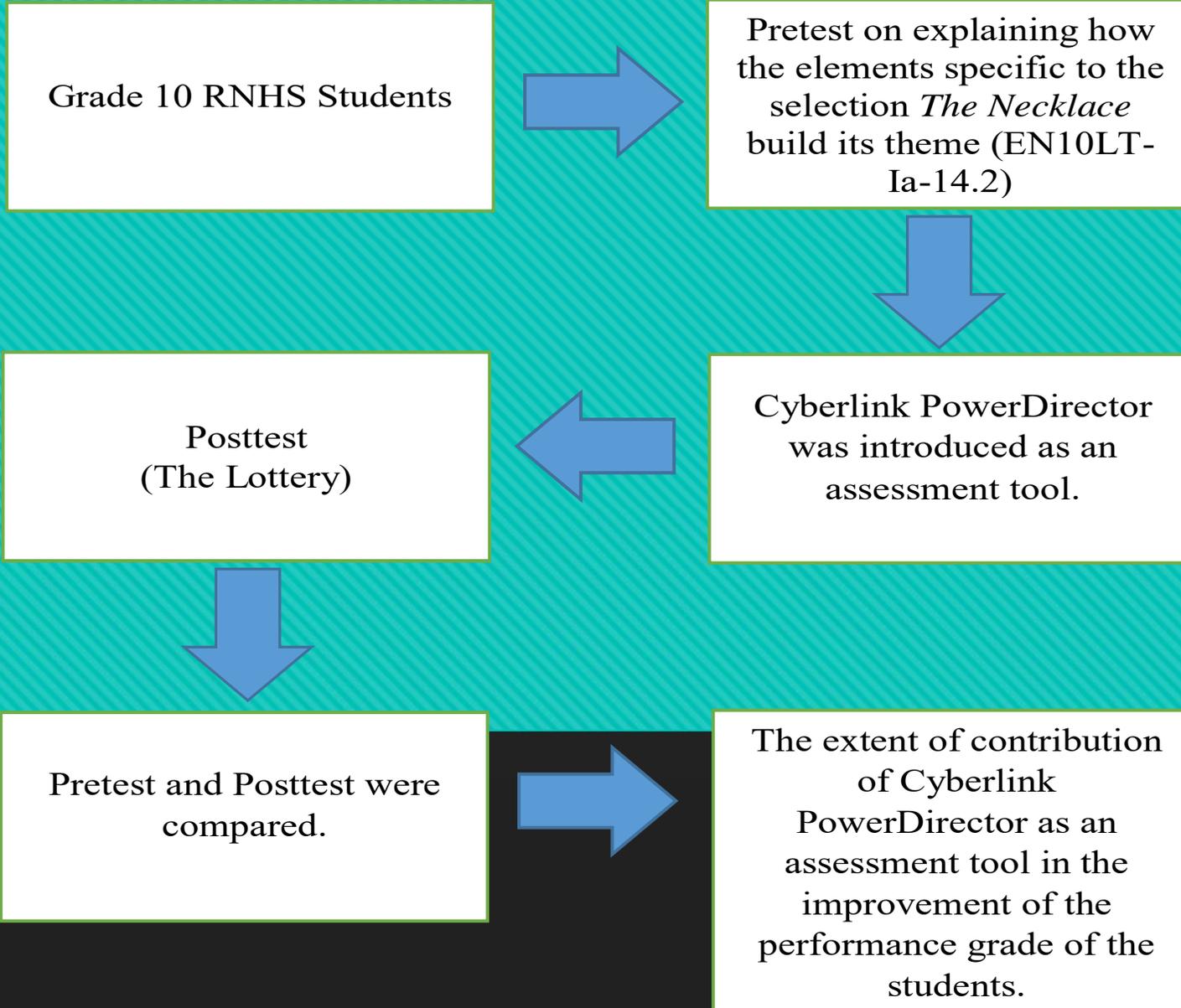
Research Methods

One Group Pretest-Posttest Quasi-experimental Group Design was used to describe the scores of 25 Grade 10 students of Rizal National High School (RNHS), S.Y 2018-2019.

Table 1
Frequency and Percentage Distribution of Students with Available Gadgets

DISTRIBUTION CLASSIFICATION	f	%
With Gadgets & Application	19	76
With Gadgets but without Application	2	8
No Gadgets at all	4	16
Total	25	100

The researcher used the teacher-made rubrics for the scoring of the students,



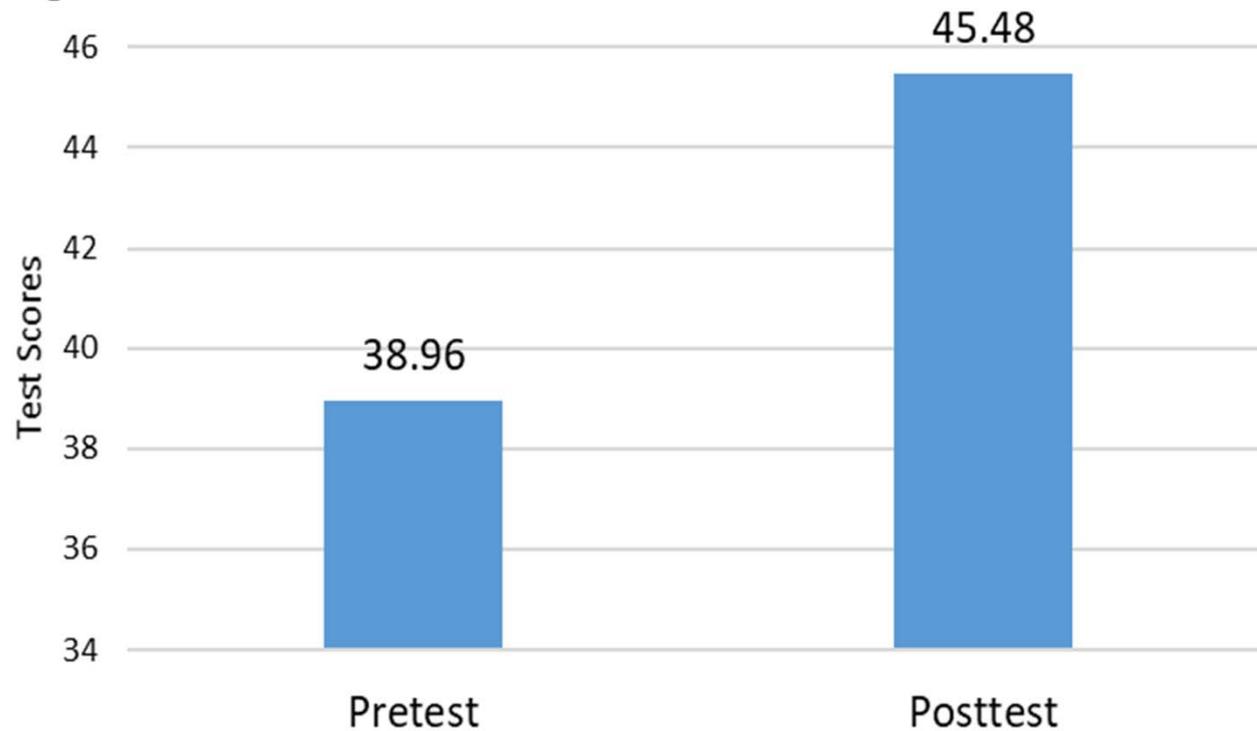
Frequency and Percentage Distribution was used in the research to determine the number of students who have available gadgets.

The researcher also used Mean to get the general picture of the students' mastery assessment scores.

The data were further analyzed using t-test to determine if the scores were significant.

Finally, Simple Regression was used to determine how much the increase has contributed to the final rating grades of the students.

Figure 2: Performance Assessment



Difference = 6.52
df = 24
t Stat = 7.318301307
t Critical = 1.71088208

The significance would mean that the use of Cyberlink PowerDirector, as an assessment tool has a significant effect in increasing the scores of the student-participants.

Figure 3: Extend of Impact in the Final Rating

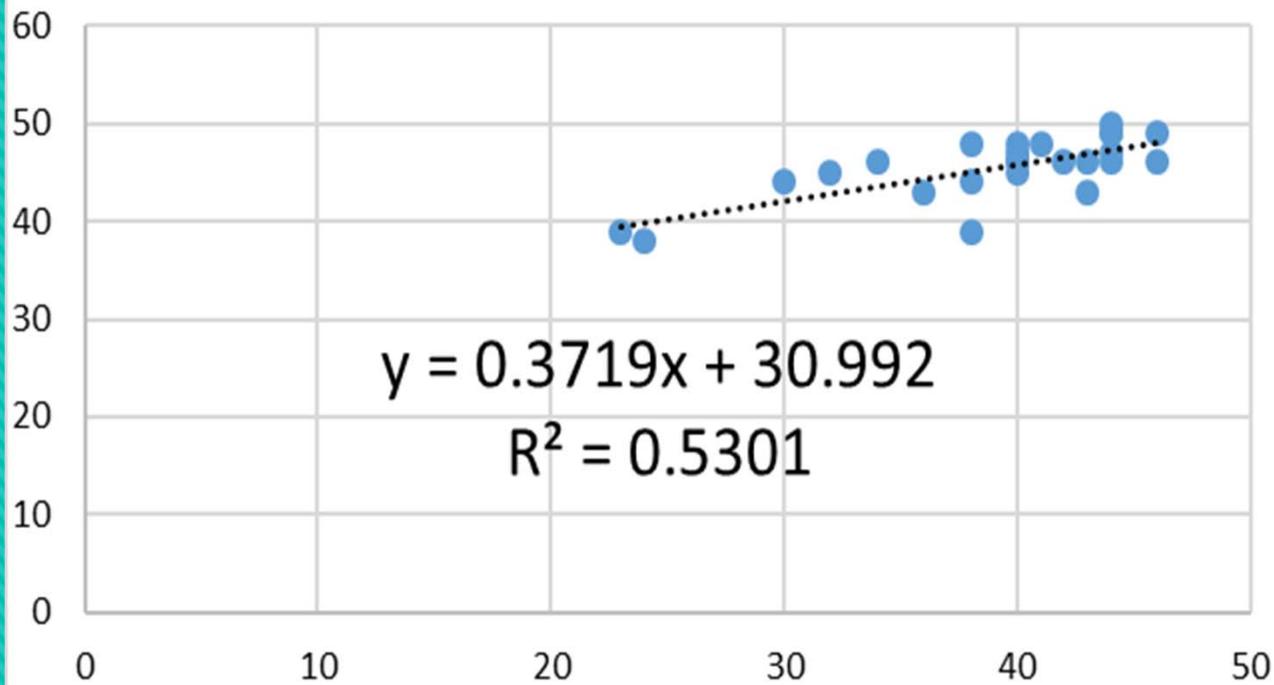
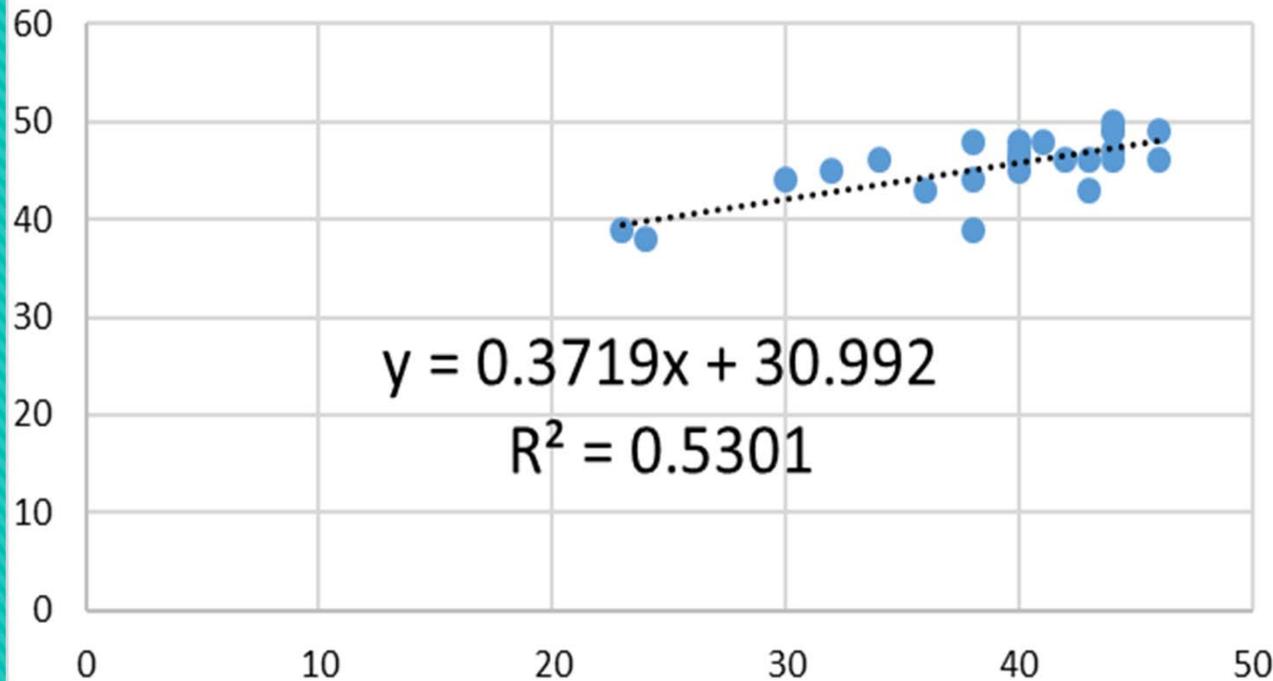


Figure 3 also shows that the student-participants mastery assessment scores predicted a final rating equal to $0.3719x + 30.992$

The findings of the study supports the need for a simpler and ready-available technology in the classroom. Lukas (2014) suggested the use of developmental technology in the classroom and realigning the curriculum for the real-life experiences of the students.

Figure 3: Extend of Impact in the Final Rating



A significant regression equation was found ($F(1,23)= 25.949959$, $p<.05$), with an R^2 of 0.530132394 .

This means that mastery assessment scores have significant relationship with that of the final rating of the student-participant.

Conclusion

Cyberlink PowerDirector is a potential form of assessment tool for the students to improve the final grades. However, further research must be conducted on the use of gadgets as a mastery assessment tool to further validate the claim of this research.

Recommendation

Based on the results, the research recommends the use of Cyberlink PowerDirector to improve the final rating of the students. Also, conduct similar research through experimental research.

Thank you and God bless!