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A COMPARATIVE STUDY OF THE MECHANICAL ABILITY AND CREATIVE THINKING SCORES OF SELECTED GRADE SIX STUDENTS FROM ST. SCHOLASTICA'S COLLEGE, MANILA, WHO ARE EXPOSED AND NOT EXPOSED TO VIDEO GAMES

by

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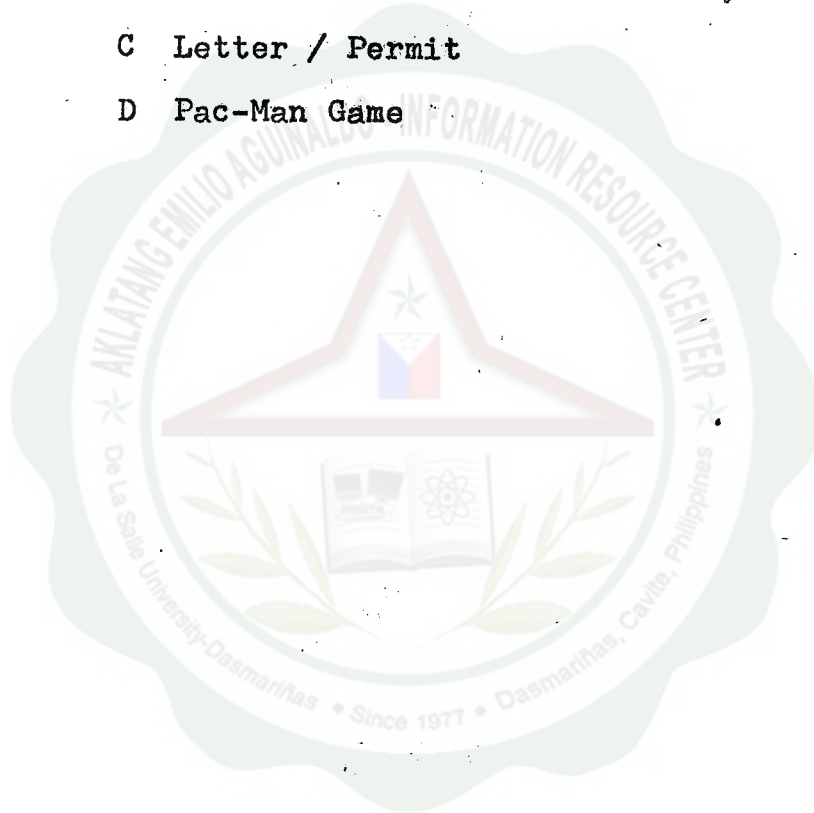
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## A B S T R A C T

A comparative study on the difference in the Mechanical Ability Test scores and the Creative thinking Test scores of those who are exposed to and those who are not exposed to video games among a select group of participants is the main concern of this thesis. In conducting the study, there were two general problems in mind: 1) Do subjects who are exposed to video games have higher mechanical ability scores than those who are not exposed to video games, 2) Do the subjects who are exposed to video games have higher scores in their creative thinking test in terms of fluency, flexibility, originality or elaboration, than subjects who are not exposed to video games? These were later checked by an experiment and the differences between the experimental group or those who were exposed and the control group or those who were still not exposed was looked into, again in terms of mechanical ability and creative thinking scores.

Forty Grade 6 students from St. Scholastica's College, Manila, had been chosen to participate or comprise the selected group of participants of the study. Twenty of the students who are video game players were matched with non-video game players based on I.Q. scores. All 40 students were given the Mac Quarrie Test for Mechanical Ability and the Torrance Test for Creative Thinking. Of the latter 20, ten composed the experimental group and the other ten the control group. Again after the experimentation, test on mechanical ability and creative thinking were given.

Though the use of the Sign Test, it had been concluded that mechanical ability is enhanced by exposure to video games. On the other hand, creative thinking, in terms of fluency, flexibility and elaboration is not affected by video game playing. There is no conclusive statement for creativity in terms of originality since there had been contradicting results for the exposed and not exposed group, with that of the experimental and control group.

