

KEY WORD : RELATIONSHIP/APPLICATION AND THE UTILIZATION OF PHYSICS KNOWLEDGE
IN DAILY LIFE

THAIPANYA CHANPOOM : THE RELATIONSHIP BETWEEN THE UNDERSTANDING OF
PHYSICS KNOWLEDGE APPLICATION AND THE UTILIZATION OF PHYSICS KNOWLEDGE
IN DAILY LIFE OF MATHAYOM SUKSA SIX STUDENTS, BANGKOK METROPOLIS.

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The purposes of this research were to study the understanding of physics knowledge application in daily life, the utilization of physics knowledge in daily life and the relationship between the understanding of physics knowledge application and the utilization of physics knowledge in daily life of mathayom suksa six students. The subjects were 352 mathayom suksa six students which were stratified random sampling from secondary schools in Bangkok Metropolis. The research instruments were the understanding of physics knowledge application in daily life test and the utilization of physics knowledge in daily life inventory constructed by the researcher. The data were analyzed by means of frequency distributions, percentages, arithmetic mean, the Pearson's product Moment Correlation Coefficient and t-test.

The result of the research were as follows:

1. The arithmetic mean of the students' understanding of physics knowledge application in daily life was 13 from 25 or 52%
2. From 51 physics knowledge items, there were 17 items that most of the students applied in daily life at the high level, there were 25 items that most of the students applied in daily life at the moderate level and there were 9 items that most of the students applied in daily life at the low level.
3. There was a positive significant relationship between the understanding of physics knowledge application and the utilization of physics knowledge in daily life at the .05.