

Montri Samngamdee 2006: The Effects of Learning Swimming Frontcrawl Stroke and Breast Stroke on Seven-Year Old Male Students. Master of Arts (Physical Education), Major Field: Physical Education, Department of Physical Education. Thesis Advisor: Associate Professor Boonsong Kosa, Ph.D. 166 pages.
ISBN 974-16-2046-2

The purpose of this research was to compare the speed of learning to swim by frontcrawl stroke and breast stroke of seven-year-old male students from Prachaniwet Sports Center who never learned swimming before. All the students in the population were interviewed, taken their height and weight, and tested in motor ability test, to determine the equivalence of the two groups of 5 subject each group. One group was taught using the frontcrawl stroke and the other group was taught using the breast stroke.

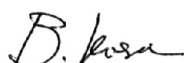
The instruments used to gather data were rating scales developed by the researcher and the norm. The validity of the instruments was reviewed by 6 experts. And the speed and the level of development of the subjects during swimming were recorded. Descriptive statistics was used such as the mean and standard deviation. The data of the two groups were compared using the Kirkendall, Gruder and Johnson test and the t-test to compare significant difference between the two groups.

The results indicated that:

The mean speed in learning swimming with the breast stroke was 19 hours which was less than the speed in learning swimming with the frontcrawl stroke which was a mean of 22 hours: The mean distance which was 15 meters was the same for both groups. From the data of the rating scales, the mean of those who learned swimming with the frontcrawl stroke was 3.62 which was very good level and the mean for the breast stroke was 3.70 which was also very good. The mean of the leg skill for those who learned swimming with the frontcrawl stroke = 3.56; arms skill = 3.67; breathing skill = 3.65 and the combined swimming skill = 3.59 which was very good level. The mean of the leg skill for those who learned swimming with the breast stroke = 3.77; arms skill = 3.64; breathing skill = 3.52 and the combined swimming skills = 3.73 which was very good level. There was no significant difference between the two groups in speed, distance and combined skills at .05.



Student's signature



Thesis Advisor's signature

19/05/2006