

Sirichai Chomwattana, Acting Sub Lt. 2009: The Construction of the Front Crawl Stroke Rating Scales and Norms for Prathomsuksa 3 of Sangsom School. Master of Arts (Physical Education), Major Field: Physical Education, Department of Physical Education.  
Thesis Advisor: Associate Professor Boonsong Kosa, Ph.D. 97 pages.

The purpose of this research was to construct swimming rating scales of the Front Crawl Stroke skills and norms for prathomsuksa 3 of Sangsom School. The test-retest method was used to determine the reliability with sample of 40 students, 20 boys and 20 girls in a seven-day interval. The objectivity was tested by scoring judgment of two testers. The sample selected were students, which consisted of 40 boys and 20 girls.

The instrument used to construct the norms were rating scales in the Front Crawl Stroke. The researchers who created the form divided The Front Crawl Stroke skills into 4 skills; using legs skill, using arms skill, breathing skill and the combined swimming skills. The criterion in the norms had 5 levels, which were 5 = excellent, 4 = good, 3 = moderate, 2 = improve, and 1 = no passed. The validity of the instrument was measured by using the formula of Rovinelli and Hambleton. The reliability and objectivity was measured by Pearson product moment correlation coefficient. Descriptive statistics was used such as the mean and standard deviation.

1) The Front Crawl Stroke Rating Scales and Norms for Prathomsuksa 3 of Sangsom School, had a validity value of = 1.00, reliability value of = .85-.93 which is in good. For excellent range the objectivity value = .74-.91 which is in average, a good criterion. 2) The mean and standard deviation of the Front Crawl Stroke skills including using legs skill, arms skill, breathing skill, the combined swimming skills and the mean of all the Front Crawl Stroke skills were 7.55, 6.75, 5.85, 7.00 and 27.15, respectively. The standard deviation of the Front Crawl Stroke skills were 1.23, 0.66, 2.65, 1.69 and 4.69, respectively. 3) The norms score for each skill using legs skill, breathing skill and the combined swimming skills were excellent = 8 points, good = 6-7 points, moderate = 4-5 points, improve = 2-3 points, and no passed = less than 2 points, respectively. The norms score for each skill of using arms skill were excellent = 7 points, good = 5-6 points, moderate = 3-4 points, improve = 1-2 points, and no passed = less than 1 point, respectively. The norms score for each item of The Front Crawl Stroke skills are excellent = more than 35 points, good = 30-34 points, moderate = 25-29 points, improve = 20-24 points, and no passed = less than 20 points, respectively.

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Thesis Advisor's signature