

Nattapon Buaurai 2012: The Effects of Teaching by Social Media Based on Constructivism on Computer and Internet in Multimedia Construction Subject of Mathayomsuksa 4, Trium Udom Suksa Patthanakarn Lumlukka School. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor: Associate Professor Boonreang Kajornsin, Ph.D. 188 pages.

The objectives of this research were 1) to study the effects of teaching by social media based on constructivism in the points of learning achievement, students' abilities in constructivism, students' abilities in using social media on learning and 2) to study student's satisfaction toward teaching by social media based on constructivism.

Sample were 44 students of Mathayomsuksa 4, Trium Udom Suksa Patthanakarn Lumlukka School, enrolled in the second semester of the academic year 2011 by using cluster random sampling. The research instruments used in this study were 1) lesson plan of multimedia construction subjects for 8 hours on computer and internet, 2) learning achievement test, 3) constructivism ability assessment form, 4) social media using ability assessment form and 5) questionnaire on satisfaction. Two dependent samples t-test and one-way analysis of variance with repeated measures were employed to analyze data.

The results indicated that 1) the students' posttest were higher than pretest at .01 level of significance. The ability of constructivism and using social media for learning were statistical significantly different among 4 times of assessment at students tended to have a continuously development. 2) The students' satisfaction to learn by social media based on constructivism is at the good level.

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Student's signature

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Thesis Advisor's signature