

Kittisak Pan-Ngam 2011: Development of Laptop Usage Model on Constructionism. Doctor of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Surachai Prasertsaruay, M.Ed. 217 pages.

The purpose of this research were : 1) to develop the Laptop Usage Model on Constructionism for Prathomsuksa 6 students according to One Laptop Per Child Project for Thai Children, and 2) to study the learning achievement after learning from the Laptop Usage Model on Constructionism for Prathomsuksa 6 students according to One Laptop Per Child Project for Thai Children.

The population for the research were two groups, the first group was 12 specialists on Educational Technology, Constructionism and Science Education, they were selected by purposive sampling and the second group was 24 Prathomsuksa 6 students in 2010 academic year according to One Laptop Per Child Project for Thai Children, they were selected by cluster sampling. The data were analyzed by percentage, mean, standard deviation and t-test.

The result of the research were found that : 1) the Laptop Usage Model on Constructionism consisted of Plan, Create, Reflect and Share, and 2) the learning achievement scores after learning from Laptop Usage Model on Constructionism for Prathomsuksa 6 students according to One Laptop Per Child Project for Thai Children were significantly higher than the pretest scores at 0.05 level.

---

Student's signature

---

Thesis Advisor's signature