

Nantawan Kaewchote 2011: Development of WebQuest Lesson Enhancing Thai Reading Skills for Students with Down Syndrome at Lower Elementary Level. Doctor of Education (Curriculum and Instruction), Major Field: Curriculum and Instruction, Department of Education. Thesis Advisor: Associate Professor Maturros Chongchaikit, Doctorat de 3^{eme} Cycle. 386 pages.

The purposes of this research were to 1) develop the WebQuest Lesson Enhancing Thai Reading Skills for Students with Down Syndrome at Lower Elementary Level; 2) study the results of the implementation and the improvement of the WebQuest Lesson Enhancing Thai Reading Skills for Students with Down Syndrome at Lower Elementary Level.

The research was conducted in 3 phases which were 1) the preparation phase for the development of the WebQuest Lesson Enhancing Thai Reading Skills for Students with Down Syndrome at Lower Elementary Level; 2) the development phase of the WebQuest Lesson Enhancing Thai Reading Skills and 3) the implementation and the improvement phase of the WebQuest Lesson. The population used in this research were the students with Down Syndrome at lower elementary level. The sample groups for the analysis of problems on Thai reading skills consisted of 5 students with Down Syndrome that were purposively selected from Wat Nonsaparam school under Saraburi Education Service Area Office One in the academic year 2009. The same sample group of 5 students with Down Syndrome were purposively selected from Wat Nonsaparam school in the academic year 2010 for the implementation and the improvement of the WebQuest Lesson. The research tools consisted of the observation and screening forms for Thai reading skills problems of students with Down Syndrome, the WebQuest lesson with 12 units on Thai Oral reading skills for students with Down syndrome and the observation forms for sound recording in each units of the WebQuest Lesson. The frequency and the descriptive narration were used to analyze the data.

The research findings were: 1) the WebQuest Lesson Enhancing Thai Reading Skills for Students with Down Syndrome at Lower Elementary Level consisting of the website for 12 units on Thai oral reading in 3 language levels: alphabets, words and short sentences, the 2 testing tasks : the students' sound recording and the matching pairs between sounds and language symbols.; 2) the round 1 test results that gave the directions for the improvement of the WebQuest Lesson to meet specific needs of the students with Down Syndrome. They were as follows : the additional practice menu, the new resource menu, the additional sounds for every alphabet, word and short sentence, and the webboard menu as additional communication tool for teachers, parents and students; 3) the round 2 test results had revealed the success of all 5 students with Down Syndrome at excellent levels of Thai oral reading skills.

Student's signature

Thesis Advisor's signature