

Nunthipa Yongkamol 2014: Development of Information Technology Based Mathematics Curriculum in Primary Level in English Program of Sarasas Witaed Ratchapruk School. Doctor of Philosophy (Curriculum and Instruction), Major Field: Curriculum and Instruction, Department of Education. Thesis Advisor: Associate Professor Somtawil Dhanasobhon, Ed.D. 681 pages.

The purpose of this research is to develop the Mathematic Curriculum based on the information technology and communication in elementary level of the English program in Sarasas Witaed Ratchapruk School. Study the basic data in Curriculum documents of the duration 2003 in the Mathematics subject and study the research of the English project in school which teaches the Mathematic subject in English in September 2007. Collect the essence of learning the Mathematics curriculum from the websites which presented the learning in elementary level & Analyzed the need in Mathematics Curriculum based on the information technology and communication of the elementary level in Sarasas Witaed Ratchapruk School by examining the teachers who teaches Mathematics in Grade 1-6, six Thai teachers and six foreigner teachers and three expertise of the subject in January 2008. Using the content of the subject to create the learning units which focus, aim and scope of the teaching according to the skills in real life of the learners to support the subject focus and school policy from February to June 2008. And also collecting the website to use as the resource of learning in Mathematics Curriculum in elementary level which according to the learning units created from July 2008 to May 2009. Moreover in step of Evaluation the Created Curriculum aim to selecting ten expertise in developing the Mathematics curriculum to evaluate the subject, learning units and resources websites of the Mathematics Curriculum based on the information technology and communication in June 2009. The expertise committee would check the websites quoted to see if it suitable to the learning units created or not. Last the researcher uses the committee's comments to re-correct and improved in August 2008.

The Profit Expectation of this research 1) Teachers and Expertise have the opinion that Mathematics subject in each grade (From Grade 1-6) to have potential enough to use as a main study course for students in Sarasas Witaed Ratchapruk School. 2) The Expertise see that the resources of this school (Students from Grade 1-6 in Sarasas Witaed Ratchapruk School) is suitable or match the Curriculum or not, Is this content an old fashion teaching style or modern style that parallel with the Thai Education. How much benefits/advantage of this contents that teachers will adapt it in their teaching skills & also concern about is it to hard for student to understand clearly in their ages in each years (Grade 1-6)

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Student's signature

Thesis Advisor's signature