

Independent Study Title Development of Learning Plans to Practice Science Problem Solving Process Skills of Prathom Suksa 6 Students

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Degree Master of Education (Elementary Education)

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ABSTRACT

The purposes of this study were to construct and use learning plans to practice science problem solving process skills of Prathom Suksa 6 students and to study the results of using those learning plans. The target group was 33 Prathom Suksa 6 students in the second semester of 2009 academic year at Ban Pong School, the Office of Chiangrai Educational Service Area 3. The instruments used in this study were 9 learning plans to practice science problem solving process skills of Prathom Suksa 6 students on the unit of Electric Circuit, each lesson plan consumed 2 hours of learning time with the total of 18 hours, 30 items of Prathom Suksa 6 students' science problem solving process skills test, and 30 items of Prathom Suksa 6 students' achievement test on the unit of Electricity Circuit. The data was analyzed by computing percentage and compared with the set criteria of 60.00%.

The results of this study were as follow:

1. The 9 learning plans to practice science problem solving process skills of Prathom Suksa 6 students on the unit of Electric Circuit, each lesson plans consumed 2 hours of learning time with the total of 18 hours were suitable to develop science problem solving process skills of students.

2. The results of using learning plans were:

- 2.1 The science problem solving process skills achievement scores of Prathom Suksa 6 students after using those plans was at the average of 79.29%, which was higher than school set criteria of 60.00%.

2.2 The knowledge achievement scores after using the learning plans to practice science problem solving process skills was at the average of 78.99%, which was higher than school set criteria of 60.00%.



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