

Siriphong Sinjit 2009: Reflection and the Learning Outcome of Matayomsuksa 3 Students on the Use of Collaborative Learning Approach. Master of Arts in Teaching, Major Field: Teaching Science, Department of Education. Thesis Advisor: Associate Professor Bupphachart Tunhikorn, Ph.D. 162 pages.

The objectives of this research were to study the reflection and learning outcomes which were composed of knowledge content, practical skills, and attitude towards science, of Matayomsuksa 3 students on the topic “Biodiversity” using the Collaborative Learning Approach.

The subject of this study consisted of one classroom with 50 Matayomsuksa 3 students from a school in Bangkok province in the academic year 2008, obtained by purposive sampling. The instruments used in this research were 1) the Four Lesson Plans using the Collaborative Learning Approach 2) the Learning Outcome Assessment composed of knowledge content, practical skills assessment and attitude towards science questionnaires 3) the Focus Group Discussion 4) the Student’s and the Teacher’s Journal. The qualitative data were collected and analyzed using the data triangulation method and the quantitative data were analyzed using percentage and rubric’s scoring.

The study revealed the following:

The students reflected that the Collaborative Learning Approach related to the students’s role as they were the learner, the explainer, the presenter, and learning to learn together with peers. And the students reflected to the teacher’s role as they were the facilitator and coacher. Most of the students achieved learning outcomes at the moderate level in knowledge content, and in practical skills (58-78% and 60-76%, respectively) and 46-66% had positive attitude towards science with the reliability at 0.81

The findings could be concluded that the Collaborative Learning Approach was supported a classroom learning approach emphasized the student center and enabled the students to learn together. The learning outcome of most students in knowledge content and in practical skills were achieved, and the students had positive attitude towards science.

Student’s signature

Thesis Advisor’s signature

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