

Sirinapa Inoum 2014: The Development of Science Process Skills in the Topic of Food Preservation of Diploma Students of the Higher Vocational Certificate Level by Using Inquiry Approach Merged with Science Project. Master of Education (Science Education), Major Field: Science Education, Department of Education. Thesis Advisor: Assistant Professor Akarat Tanak, Ph.D. 153 pages.

The purpose of this case study was to development of Science Process Skills in the Topic of Food Preservation of Diploma Students of the Higher Vocational Certificate Level By Using Inquiry Approach Attach with Science Project. Twenty students from a college in the Office of Vocational Education Commission were selected by the purposive sampling method. They studied in higher vocational certificate level of academic year 2012 (B.E. 2555). The research instruments were 1) the science process skill test which consisting of 30 questions covered 13 science process skills. 2) science project report and 3) worksheets. Data from the test were analyzed using frequency and percentage. science project report and work sheet were analyzed by content analysis.

The result found that after participation in Inquiry Approach Attach with Science Project in the topic of food preservation students could increase all of the science process skills. Before studying 41.54% of students had science process skill. (After studying 58.46% of them had increased science process skill. The students hold space/space relationships and time relationships skill mostly (35%), followed by using number skill (30%) and observing skill (25%), respectively. There were only 5% of students had interpreting skill).

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Student's signature

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Thesis Advisor's signature