

The Quality Improvement of Painting Assignments for Grade 4-6 Students By Using PDCA cycle

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Abstract—The purpose of this study was to investigate the quality improvement of painting assignments for grade 4-6 students by using PDCA cycle. This study employed a qualitative technique. Suan Sunandha Rajabhat University and its demonstration school were selected as the area of study. An in-depth interview was utilized. The findings revealed that model of PDCA cycle was a proper model to increase the quality of painting assignments for grade 4-6 students. The six steps of improvement included: study the PDCA model, Set up a plan, Determine the scope of work, Create a strategy, Develop a quality for painting assignment, and Come up with a handbook for a quality improvement of painting assignment.

Keywords—Quality, Painting Assignments, PDCA Cycle

I. INTRODUCTION

NOWADAYS the quality standard of painting assignments in primary schools has not been improving very much and there are new rules and regulations from the Ministry of education to control the quality standard of learning art in form of painting and drawing in primary schools of Thailand. The Thai government focuses on the development of students to be more creative and allow students to think freely. The basic technique of painting starts from the beginning class and allow both students and teacher to plan their study and painting work assignment together. The rule of learning in class also included teaching, monitoring, feedback, quality control, and good management of time and quality of painting assignment.

Since the university has a strategic plan that focus on standard quality of students' assignment, for example, by applying total quality management technique and PDCA model. The model PDCM stands for Plan, Do, Check, and Action [1]. The model was applied to students with the aim to help students to produce their painting assignment with better quality and be able to increase their satisfaction of art class in the future [2]. Moreover, the model is also aimed to reduce waste time from poor quality of works due to poor painting technique of painting. This model will help to students to understand the plan in class and try to maintain standard

quality their painting assignment from the beginning to the ending of the semester. It is hoped that the findings of this research will help both students and teacher to understand the model and be able to apply the model to maintain good standard quality of students painting assignment in the long run.

II. METHODOLOGY

The objective of this study was to design model to improve the standard quality of painting assignment for grade 4-6 students by utilizing PDCA model and to create handbook for understanding the technique of painting and how to maintain the standard quality of work assignment in class. There were four step of doing this research [3] [4]. Step one was to study the organization, its vision, its mission, and its policy of education. Step two was to analyze the quality assurance of the organization in order to understand the input, process, output, and feedback process of the system. Step three was to apply new model of PDCA with the help of experts in school quality and education quality assurance [5]. Step four was to use experts to evaluate the model before implementation the model in schools. The expected benefits from this research were to understand the real situation of local school quality education in art, to obtain the model to transferring knowledge and technology, and to find the proper way and effective way of transferring knowledge and technology.

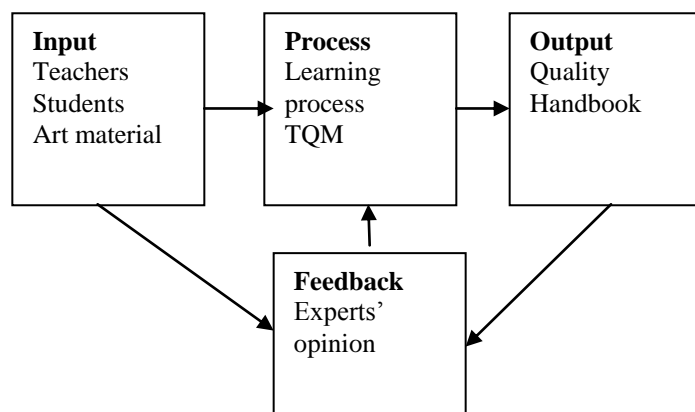


Fig. 1 Learning Process

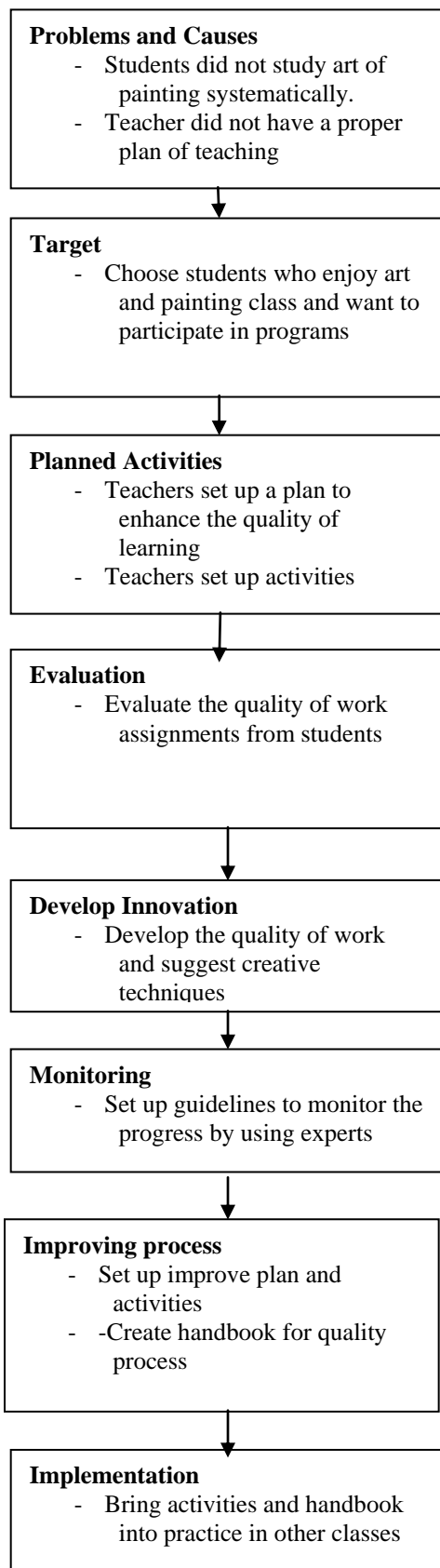


Fig. 2 Chart for Developing Plan by Using PDCA

III. FINDINGS

The chart revealed eight steps in order to develop a proper plan for both students and teacher to understand the process of enhance the quality of students' work assignment. The first step is to understand what is the problem? what is the cause of the problem? Step two is to choose the target students to be in the activity group. Step three is to set up planned activities. Step four is to evaluate the quality of work to find ways to improve. Step five is to develop innovation which means to find better ways to enhance quality of work. Step six is to monitor the progress of all activities. Step seven is to get feedback and improve the activities. Finally, step eight is to implement the plan to other students in other classes.

IV. RECOMMENDATIONS

First, the model of PDCA is easy to understand, however, it should have a case study to be the pilot project [6]. Whenever, the students understand the process, then bring them to the real place and provide them with the training of quality in the real situation. Second, there should be a promotion of training and knowledge transferring from teachers to make sure that the model was implemented with proper steps with high standard quality.

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