THE DEVELOPMENT OF A PROGRAMMED INSTRUCTION IN BASIC OF PHOTOSHOP FOR SECONDARY SCHOOL

Sudarat Srima
Suansunandha Rajabhat University
Email: sudarat.sr@ssru.ac.th

ABSTRACT

The purposes of this research were: 1) to improve a design of the development of a programmed instruction in basic of photoshop for Secondary School, and 2) to examine the result of using a programmed instruction in basic of photoshop for Secondary School.

The sampling group was composed of 40 grade 10 students at Demonstration School of Suan Sunandha Rajabhat University. The research instruments drawn for this study was a programmed instruction in basic of photoshop for Secondary School. The data were analyzed by percentage, mean, standard deviation and t-test.

The result of this study revealed that a programmed instruction in basic of photoshop for Secondary School efficiencies as the expected efficiencies of 80/80. The students who learned using programmed instruction in basic of photoshop for Secondary School gained significantly learning achievement higher of .05. Students' learning behavior effected on programmed instruction in basic of photoshop for Secondary School was at a very good level. The satisfaction level was at a very good level.

Keyword: Programmed Instruction, Basic of Photoshop Grand 10

INTRODUCTION

Nowadays, it is the age of information and technology plays a huge role in daily life. Education is an important factor in helping human beings to think deliberately and selectively. Have a reason for making a critical decision. Adapting to new events and things that came into life. Education today needs to develop teaching using various technologies. To help develop education. When the world society realizes the importance of information technology Making learning management in the 21st century, teachers have to adapt to modern learning in the changing era. To be able to guide and encourage students to learn by themselves all the time. Skills to understand and use digital technology or digital literacy is therefore considered a basic digital skill that will be an important helper in operations. Communication and collaboration with others and includes skills in using current tools, equipment and digital technologies such as computers, phones, tablets, computer programs and online media come to use it for maximum benefit. both in communication performance and working together or used to develop work processes Or work systems in the organization to be more modern and efficient. The International Telecommunication Union (ITU) has defined digital skills (Digital Skills) into 3 levels as follows: 1) Basic skills are easy to use digital technology. Able to operate in basic knowledge of hardware know the software On-screen data file management, including basic online operations such as e-mail, search 2) intermediate skills are those who have the ability to use digital technology effectively Including evaluating the ability of technology to be used to work properly, such as being able to use software to design various publications You can place images and text. 3) Advanced skills are skills that are at the level of information technology experts such as programmers and coding (Suphaphan, 2014). Computer assisted instruction can applies information technology within education using teaching materials.

(Satien,2015). Today is the era of information technology to play a huge role in everyday life. Education is a key factor in helping people make wise choices. There is no reason for the decision was critical. Adapt to events and new things. Which comes to life The current study needs to improve teaching by using various technologies. To help develop education Management of the learning reform must develop the capabilities of students to be creative. Management of the learning reform must develop the capabilities of students to be developed to their full potential. This is consistent with the Education Act of the National Cup. Prof. 2542 discussed ". Education must be based on the principle that all students are capable of learning. Develop to their It is considered the most important lessons. Education process To encourage learners to develop their full potential and, naturally, " The learning process should be substantive and activities in line with interest. And aptitudes of students, considering the differences between individuals. Activities allow students to learn from the practice. The students can think critically for themselves.

Group Learning Career and Technology. A group that helps develop the students' knowledge and understanding of the basic skills necessary for living. And knowingly change Can bring knowledge about the life, career, and technology applications to work with creativity. And competition in Thailand and internationally. The approach to the profession I love to work and have a good attitude towards work. You can live in a society sufficiently. (This includes tools for retouching to make it easier to use Photoshop software program can manage file photo effective. Media technology is great Can be used to decorate a little like removing red or insert effects to images, such as a sepia image. The imaging Mosaic Creating panoramas from multiple images of each other. Available for editing photos, old can be sharp as new. Picture Editing dark to light. Can be created by the imagination of the students. Make true colors Enhancing the creativity of the students.

Lesson is a lesson that has been created to allow students to learn on their own. Creating a learning experience that there is a hierarchy. The lessons are divided into sub and if the students do not understand the content in question or not. Was able to return to practice again before classes in the next chapter. This would provide an exemplary lesson of classes that allow students to pursue their talents to the full. Bringing the lesson to use in its learning management solution for learning or recognition of students as well as another one of the many ways that teachers should be applied to the students. The lesson is taught programs or lessons to meet individual learning. To help the students learn the capabilities of their existing rates of learning different. It also helps students with better academic achievement.

Rationale of the above causes, researchers are interested in developing a lesson about " the use of Photoshop Basics " for students grade 4 to raise the quality of learning that is sustainable and more effective

PURPOSE

1) To develop the Programmed Instruction in Basic of Photoshop for Secondary School
2) To study the effects of using the Programmed Instruction in Basic of Photoshop for Secondary School.

SCOPE OF STUDY

Population

Population is students in The Demonstration School of Suan sunandha Rajabhat University.

Sample Groups

Samples are students in The Demonstration School of Suan sunandha Rajabhat University for Grade 10 of 43 people.

Variables of the study

Independent variable is Programmed Instruction in Basic of Photoshop for Secondary School

Dependent variable is the effects of using the Programmed Instruction in Basic of Photoshop for Secondary School

METHODS

Phase 1 Content Analysis

1 The plan details the content Sample documents and related research. Collecting information to be used to create lesson about Instruction in Basic of Photoshop for Secondary School

2 The development of lesson about Programmed Instruction in Basic of Photoshop for Secondary School, coupled with the creation of assessment tools. A tool to measure the results before and after (Pre, - Test and Post The - Test).

3 Checking and corrective Lessons about Programmed Instruction in Basic of Photoshop for Secondary School, taking the lesson that Basic of Photoshop " for high school students in the fourth and evaluation specialists checked for accuracy. Appropriate and consistent with the objectives and indicators.

4 Experimental learning the lesson that " Programmed Instruction in Basic of Photoshop for Secondary School and study the effects before and after the learning the lesson of " use. and Photoshop Basics " for high school students in the fourth and analyze customer satisfaction and opinions of a sample. The lesson on the subject " Using Photoshop Basics " for students in ninth grade four.

5 Analyzed data from a trial lesson about Programmed Instruction in Basic of Photoshop for Secondary School and analyze customer satisfaction and opinions of a sample to the lesson on " Using Photoshop basics. "

Phase 2 System Design

1 Design the Programmed Instruction in Basic of Photoshop for Secondary School.

2 Propose the Programmed Instruction in Basic of Photoshop for Secondary School to the advisor for further examination and revision.

3 Create an instrument for assessing the appropriateness of the Programmed Instruction in Basic of Photoshop for Secondary School.

Phase 3 Assessment of the appropriateness of the Programmed Instruction in Basic of Photoshop for Secondary School as the following: -

The basic statistics to mean (Mean) and standard deviation (Standard Deviation) were used to calculate your requirement. Quality of tools, including the consistency between the test and behavioral objectives and content (IOC) and find out your order. Timeliness of the t-test achievement using a Dependent analysis the difference between test after lean before class.

RESULT

The results are divided into 2 now follows.

Stage 1 The development of lesson about Programmed Instruction in Basic of Photoshop for Secondary School

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Developing lesson about Instruction in Basic of Photoshop for Secondary School is divided into two parts, the first to create a lesson about Instruction in Basic of Photoshop for Secondary School. the second finding quality lesson about Instruction in Basic of Photoshop for Secondary School.

The quality of lesson about Instruction in Basic of Photoshop for Secondary School from the expert assessment, the third person overall, the level most appropriate. And the IOC's lesson about Instruction in Basic of Photoshop for Secondary School to the purpose for all that lesson about Instruction in Basic of Photoshop for Secondary School by. expert Are suitable to be used in conducting field trials next.

The analysis of performance data points, which is the average percentage of the activities during the lesson on "How to Use Photoshop Basics" for Secondary School performance process (E1) and performance of the score. which is the average percentage of doing the test after the lesson on "How to use Photoshop Basics" for real. John Grade 10 Performance results (E2) is equal to 87.03 / 87.42 means that the lesson on "How to Use Photoshop Basics" for students in Grade 10 who were the efficiency of 87.03 / 87.42. 80/80, which is higher than prescribed.

Stage 2 The effects of programmed instruction on "Introduction to use Photoshop" for Secondary School.

The effects of programmed instruction on "Introduction to use Photoshop" for Secondary School. is divided into two parts: academic achievement with a lesson on "How to Use Photoshop Basics" for Secondary School. and satisfaction with the lesson on "How to use Photoshop Basics" for Secondary School.

The results of the study before the test. The score of 20 points were achieved on average 9.00 points and the results of the posttest. The score of 20 points, the same sample could average score 17.48 points, put the result value achievement using. Statistical value (t – Dependent), it appears that the t-test value is calculated when the value is equal to 39.52 compared with standard tables of statistical significance level .05 concluded that the achievement of students who learn the lesson scene. "How to use basic Photoshop" for students at grade 4 points after higher than before the study statistically significant at the .05 level.

Satisfaction of the students at the lesson on "How to Use Photoshop Basics" for Secondary School had an average total of 4.73 points, the standard deviation of the average total of 0.44 found in the most.

CONCLUSION AND SUGESSION

According to the quality of the lesson on "How to Use Photoshop Basics" for Secondary School who were made up of experts assessed all 3 overall, the level most appropriate. Effective 87.03 / 87.42 which was higher than 80/80 defined.

Achievement of learners learning lesson on "How to Use Photoshop Basics" for Secondary School before studying at a statistically significant level of .05, And satisfaction. the students with the lesson on "How to use Photoshop Basics" for the 4th year high school students with an average combined equally. The score standard deviation 4.73 and the average found in most criteria. The highest scores are 1) the lesson covers all content and is to the point, 2) the language used in the lesson is suitable for the learners, explained clearly, 3) the illustrations in the lesson are interesting, 4) the sequence of content in the lesson is suitable for the learners, and 5) The format, size and color of the letters used in the lesson are appropriate. The lesson on "How to Use Photoshop Basics" for Secondary School that the researcher has developed is appropriate to be able to increase learning achievement as well. In this regard, teaching and learning management as well Ready-made lesson on "How to Use Photoshop Basics" for secondary school students. Instructors should study the content and course management.

Including the use of the Photoshop program to understand in order to be able to use the lesson effectively. Teachers should use the ready-made lessons on "How to Use Photoshop Basics" for secondary school students to use in other grade levels. or developed to suit more learners in each grade level.

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