

This Research is Based on the Interest and the Applied Problem Solving Skill of Adopting Multimedia Teaching Web System

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ABSTRACT

This research is on the problem-solving ideas and skills that the fifth grade primary students need in applied mathematic question. By using the multimedia teaching web system in flash, the result shows that it can reinforce the problem-solving skills. We can know that the changes in student ' s interest and problem-solving ability before the multimedia teaching web system are conduct.

This research takes place among the fifth graders of jin xio primary school. First, random sampling the six classes and divide them into two groups, three classes at each. To execute the experimental teaching, one group is set as experiment group, and the other is the control group. The main results of this research are as following: 1.After experience two ways of teaching, both the multimedia teaching web system and traditional teaching style, the students ' performances are comparative high. 2.After adopting the multimedia teaching web system, the result shows those girls perform better than boys on pre-test but no difference on the after-test. Thee result also shows that after practice, boy performance better then girls. 3.After adopting the traditional teaching style, the result shows the girls perform better in pre-test. When comparing the result in after-test, there is no difference in between. The result also shows that after practicing the traditional teaching style, the boys show better performance than girls do. 4.Among the students who practice the multimedia teaching web system, many of them have computer in their residence. However, those who had practice the similar systems or cai system are few. 5.The students have higher appraises on using multimedia teaching web system to learn math than the traditional teaching style. 6.The result of this experiment shows that in using the multimedia teaching web system the students gain higher satisfaction on the operation surface. Learning motive, needs, and effectiveness. 7.Comparing the multimedia teaching web system to the traditional teaching style, more girls feel that " using computer to learn applied questions is much more understandable than learning from the black board. " in the other matters, boys and girls all feel that multimedia teaching method is much more interesting, understandable than traditional teaching style. 8.Form the result, we learn that there is no difference between the boys and girls ' satisfaction of using multimedia teaching web system. From the discussion above, we learn that the research in multimedia teaching web system can effectively upraise the students ' interest and ability on applied problem-solving. Finally, in regards to the limit and deficiency that bring to discussion in this research, the suggestions provide are for future reference.

Keywords : MCAI ; mathematical problem solving ; problem solving processes

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