Extended Summary

Views of Students on the Applications of Web-Based Learning Approach

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This study aims to evaluate the opinions of the 11th grade high school students after physics subject movement on earth is covered with Web Supported Learning Ring Approach. The study has been conducted with the participation of 25 students at 85. Yil Milli Egemenlik Anadolu Lisesi in Diyarbakır in 2009-2010 academic year fall term within the qualitative research approach. As data collecting tools, interview forms which have been developed by the researchers and have open ended questions by which the students can express their opinions on Web Supported Learning Ring Approach have been used.

The students interviewed have been asked 5 semi-constructed questions. Semi-constructed interview questions have been examined by two physics instructors and a program developing expert, the interview form has been reorganized and scope validity has been achieved. The answers to the questions directed to the individuals interviewed have been described; have been exposed to content analysis and have been resolved with the presence of determined themes and have been commented on. In the reliability study conducted for this research, a 85% of compromise (reliability) has been achieved.

According to the results of the study, while 15 students participating the study (60%) have found Web Supported Learning Ring Approach useful for learning physics, 10 students (40%) haven’t found this approach to be useful for learning physics. The number of the students who want to learn physics always with the Web Supported Learning Ring Approach is 8 (32%). On the other hand, the number of students who don’t want to learn physics with the Web Supported Learning Ring Approach is 17 (68%). The number of the students who want to use Web Supported Learning Ring Approach in their other lessons is 8.
(32%). It has been understood that the number of the students who don’t want to use Web Supported Learning Ring Approach in their other lessons comprises the majority. The participants express that they would like to study in line with the available examination system, therefore they don’t find the Web Supported Learning Ring Approach useful to them.

76% of the participants have stated that online study gives them an extra contribution in learning physics (Movement on Earth Topic). The students have expressed that with the help of simulation, they saw events that can’t be seen in class or laboratory atmosphere. This finding demonstrates that Web Supported Learning Ring Approach is of benefit to the students.

When the study results are evaluated as a whole body, although the participants find all of the activities and teaching-learning atmosphere useful for learning physics, they have expressed that, as they study for university entrance exam, Web Supported Learning Ring Approach is not of good use to them.

As a conclusion, it can be said that the students will get more successful in physics (movement on earth topic) and they will comprehend physics better in a learning environment where the available perception of examination system does not exist. Therefore, it is suggested that multiple choice examination system should be abolished and approaches like web based learning ring approach, through which students will be able to correlate the lessons with daily life, should be used.