THE ROLE OF INFORMATION TECHNOLOGIES IN ENHANCING TEACHING–LEARNING EFFECTIVENESS

Didmanidze Ibraim Sh.[1], Zoidze Ketevan M.[2], Putkaradze Nino M.[2], Akhvlediani Neli T.[1]

[1]Batumi Shota Rustaveli State University,
Batumi, Georgia
ibraimd@mail.ru
neli.akhvlediani@bsu.edu.ge

[2]Batumi State Maritime Academy,
6010 Batumi, Georgia
n.putkaradze@bsma.edu.ge
kzoidze10@gmail.com

РОЛЬ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИЙ В УСИЛЕНИИ ОБУЧЕНИЯ – ИЗУЧЕНИЕ ЭФФЕКТИВНОСТИ

Дидманидзе Ибраим Ш.[1], Зоидзе Кетеван М.[2], Путкарадзе Нино М.[2], Ахвледиани Нели Т.[1]

[1]Батумский государственный университет Шота Руставели,
Батуми, Грузия
ibraimd@mail.ru
neli.akhvlediani@bsu.edu.ge

[2]Батумская государственная морская академия,
6010 Батуми, Грузия
n.putkaradze@bsma.edu.ge
kzoidze10@gmail.com

Resume

Nowadays we need the ability to receive information from different sources, use it and create it independently. Practical use of information and communication technologies provide new teaching opportunities, greatly facilitate the work of teachers, increase the effectiveness of teaching process, improve the quality of teaching.

***Keywords**: Information technology, communication technology, the information educational environment, multimedia-presentations, simulators, computer test system*

Резюме

В современном мире нам нужна возможность получать информацию из разных источников, использовать ее и создавать самостоятельно. Практическое использование информационных и коммуникационных технологий открывает новые возможности обучения, значительно облегчает работу учителей, повышает эффективность учебного процесса, улучшает качество обучения.

***Ключевые слова**: информационные технологии, коммуникационные технологии, информационная образовательная среда, мультимедиа-презентации, тренажеры, компьютерная тестовая система*

INTRODUCTION

Nowadays, we can suggest that the use of computer technology provides a huge opportunity for the development of the educational process. The main support of which is developing an information-educational environment, which is based on computer information sources, electronic libraries, video and audio libraries, electronic textbooks, video conferencing and other electronic applications in the field of education.

Unlike conventional technical means of education, information-communication technologies provide the students with a lot of prepared, strictly selected, efficient knowledge, and also support the development of intellectual and creative talent of the students.

Thorough the use of information technology adults takes on a new character of consciousness. First of all, the ability to model a situation with the support of computer will increase the development of systemic thinking, where cultural and moral values dominate in the emergence of new technologies.

Modern teaching computer technologies can generate sound and visual images, in order to get special effects, synthesize and play audio and video materials, including animation and integrate all of this into a unified multimedia presentation.

FORMULATION OF THE PROBLEM

In the process of using multimedia presentations when explaining a new material/topic, a harmonious sequence of images is sufficient, in which the most important (key) issues and aspects of the topic can be shown. Explanations, diagrams, etc. can be displayed on the display monitor, that pupils / students download into their notebooks and at this time the teachers don’t spend time on dictating and repeating and manage to provide more information.

With the help of electronic aids, the students can find themselves in a virtual laboratory, students conduct a virtual experiment, all these increases cognitive interest of the students. This is especially important in the conditions of limited laboratory equipment.

In order to ensure the high effect of learning it is necessary to present learning information in a different way and with different information carriers. The learning course should include video and audio cassettes as well as printed materials.

Learning any subject by using interactive multimedia technologies make the learners think of and actually motivate them to participate in the contribution of the lecture elements that helps to awake their interest in a subject.

Some listeners are good at absorbing video information (visual), while others are good at absorbing sounds (audio). Multimedia learning course is based on its interactive part, which can only be placed on a computer, such as: an electronic manual, an electronic search system, simulators (computer models, constructors and simulators), electronic laboratory practice, computer test system.

When using multimedia technologies, it is important to monitor knowledge acquisition and control. Today there are already a sufficient number of computer programs that are successfully used for knowledge acquisition and control. Such systems are used in test mode, where it is possible to respond on the basis of the choice of the answer depending on whether the answer is chosen correctly or incorrectly. The system has an additional feature that allows the students to re-select the answer. Similar tests should consider the results of getting the correct and incorrect number of answers as well. According to the

results of this test, it is possible to determine the level of knowledge of the pupil / student and what is his desire to study a specific part of the curriculum.

CONCLUSION

During the multimedia course, if the students do not write down the key information and do not separate and take into account the important information, they will easily forget it. During the multimedia lecture, it is necessary not only to look at the slides and listen to the attached texts to the images, but also be involved in the process of lecture. To avoid the situation when students don't study material efficiently we discuss below [1]:

- The teacher should highlight the key information and the students should write down it by hand;
- The student should not be satisfied only with the multimedia material, but should constantly use the interactive mode that they have learned;
- The students should constantly develop e-learning skills, pass the tests, gain sufficient skills.

It is clear that preparing and delivering multimedia learning information requires a great approach, which can only be achieved through scientific research and analysis.

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THE SCHOOL OF FUTURE FULL WITH DIGITAL BOOKS

Didmanidze Ibraim Sh., Geladze Darejan L., Didmanidze Didar Z.

Batumi Shota Rustaveli State University
Batumi, Georgia
ibraimd@mail.ru
darejan.geladze@bsu.edu.ge
ddidari1966@gmail.com

ШКОЛА БУДУЩЕГО, ПОЛНО ЦИФРОВЫХ КНИГ

Дидманидзе Ибраим Ш., Геладзе Дареджан Л., Дидманидзе Дидар З.

Батумский государственный университет Шота Руставели,
Батуми, Грузия
ibraimd@mail.ru
darejan.geladze@bsu.edu.ge
ddidari1966@gmail.com