

# IMPROVING THE QUALITY OF EDUCATION THROUGH EFFECTIVE USE OF MODERN EDUCATIONAL TOOLS

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**ABSTRACT:** *This article discusses the possibilities of effective use of modern teaching aids in the educational process, improving the quality of education through the effective use of teaching materials, multimedia, the main features and categories of e-textbooks, requirements for e-textbooks, current issues such as*

**KEYWORDS:** didactics, electronic resources, e-book, profession, teaching method, software, component, interdisciplinary connection, interface, resource.

## I. INTRODUCTION

At the present time, the rapid development of science and technology is changing day by day, the rapid inflow of information is one of the important directions in the organization and conduct of analytical processes using modern pedagogical, effective teaching and learning tools based on information technology.

Improving the quality of education through the effective use of modern teaching materials, multimedia and media and electronic resources is one of the most pressing issues today.

As a result of the use of modern information technologies in the educational process, e-learning manuals, virtual stands allow you to master complex technologies in a short time and learn at a distance.

To use e-textbooks and manuals in distance learning, you need to be highly active. An e-learning textbook for each subject should have at least three main components: educational, practical, and control.

## II. METHODS

Today, the use of audio, video, telecommunications and information technology based on the latest achievements of science and technology in education is of great importance. Therefore, getting acquainted with their didactic potential and learning to use them in the classroom will be a great help for future teachers in their future endeavors.

Didactic tools can be familiar to us, we can encounter them in our lives, we can even use them. Not all of them have to be educational tools. For example, television is a means of leisure in our lives, and it is a medium of publicity. But we also use it widely in education. For example, in distance learning it is used as a didactic tool. Each textbook must have a certain degree of autonomy, on the one hand, and on the other hand, it must meet the standards related to the structure and formats of the information in it. This, in turn, allows you to easily and quickly collect the necessary set of textbooks in an informed educational system (including information retrieval system, examination system, etc.). If the e-textbook is of sufficient quality and has a system of content, monitoring of the learning process and verification of the acquired knowledge, it can meet the existing needs to some extent.

In practice, e-books are more commonly used, which include a set of programs that allow the learner to choose the method of learning without clear restrictions.

According to NA Muslimov, one of the leading scientists in the field, e-textbooks should meet the following requirements:

- be able to meet the requirements for the publication of the curriculum and teaching materials (approved by the Academic Council of the faculty). The textbook is prepared as an electronic version of the first or previously published methodical manual in a particular field, and the content corresponds to the general, maximal optional criteria;
- disclosure of the content of a particular course (or part thereof) and the extent to which it can be used to achieve the methodological objectives of the course;
- have visual elements (maximum use of computer multimedia capabilities) that help to achieve educational and methodological goals;
- the material is designed taking into account the nature of the work on the monitor screen and its placement across the network;
- the presence of hyperlinks in the text, as well as the indication of WEB sources and other information resources, if necessary;
- availability of control questions that allow the learner to independently assess the level of mastery of the material;
- Multilingualism, as well as special facilities for students with disabilities.

Electronic kitob the following requirements: expanding the range of communication between learners and educators, the amount of time the student has worked on a particular topic, the time spent on mastering it, monitoring the level of mastery, the beginning of learning it should be possible to control the level of

knowledge of the student and the level of knowledge at the end of the course. These are just some of the goal setting shareware that you can use.

Teaching based on modern teaching and learning tools has a positive effect on increasing students' learning opportunities, developing their independent work skills and practical skills.

The most commonly used e-textbooks in education should include several organizational components. In order to implement an e-textbook in the education system, it must have its own interface. An e-textbook or study guide has a unique "interface". In turn, the main requirement for the interface is its intuition. The controls of the interface should be user-friendly, not distracting from working with text or necessary content, and the controls used to page the book should be on each page.

In fact, although there are many types of e-books, they are based on hypertext. The most widely used e-books today are hypertext copying resources.

Psychological-pedagogical, technical-technological, aesthetic and ergonomic requirements are set in the process of creating an electronic textbook on special subjects for vocational education. Both e-textbooks and printed textbooks must meet the didactic requirements of traditional textbooks, such as textbooks and manuals. As a result of the organization of the modern educational process through the use of information technology, e-learning manuals, virtual stands allow you to master complex technologies in a short time and distance learning.

In Japan, we use all kinds of learning information, not just oral explanations. They can be digital or written, audio or visual, volumetric or moving, electronic or other. From this, we can see that the more we know the capabilities of each didactic tool, the more effective it is to use each of them in which task to perform. To do this, we should first get acquainted with the classification of didactic tools.

We divide didactic tools into three areas. These are didactic materials, the didactic tools used to use them, and the didactic materials and tools designed for learning. There are different types for each route.

We call all types of learning information that students are given, demonstrated, performed, and so on in the classroom. We categorize them according to when and for what purpose we use them. We use didactic tools to apply and prepare these materials. For example, posters, slides, photographs, audio, television and video materials, information technology-based materials, etc. In turn, we classify the tools according to their structure, principle of operation and didactic capabilities. Therefore, we use several types of didactic materials in the classroom, using appropriate didactic tools. Together, these are a set of didactic tools designed for this activity.

E-textbooks and manuals should be highly active in distance learning.

An e-learning manual can be called an e-learning package (EUUM). It consists of the following interconnected blocks of content:

- organizational and methodological block;
- information-educational block;
- data block;
- block of practical exercises and assignments;
- result control block.

Current e-textbooks consist of the following main elements:

1. Texts. The main part of the e-textbook consists of study materials, assignments, tests, comments, dictionaries, practical exercises, visual aids.

2. Visual materials. Schemes depicting objects, processes, events in an electronic textbook can be displayed on a monitor screen of different colors. It is well known that visual information is more receptive to textual information. Images in the form of a graphic object are perceived as a whole in human memory and are stored for a long time.

3. Sound observation. E-learning is an integral part of the publication. Processes and events with objects text, noise-signal, mean be described by sound observation.

It has a positive effect on the student's ability to absorb information quickly at the same time.

4. Animation and videos. Presentation of objects, processes and events in the form of animations or videos allows you to quickly learn and memorize the material.

In recent years, the development of e-learning manuals and the development of electronic dictionaries has grown rapidly. E-learning is now available online. Another important aspect of e-learning manuals is that the study material, visual aids do not wear out and do not break down, do not require much space and volume for storage. The volume of e-learning is growing significantly faster than that of printed publications.

In view of the above, an e-textbook should have a "slightly higher intelligence" than an ordinary (paper) textbook, because several aspects of the computer teacher's activity (if necessary and in the right place to give advice, to consolidate the acquired knowledge) help, etc.). At the same time, it should cover all the necessary (additional information) teaching materials on the subject.

### III. RESULTS

As a result of our research, the possibility of effective use of modern e-learning resources in the teaching of special subjects in the educational process will be studied, scientific recommendations will be developed, and methods of using electronic textbooks in teaching special subjects will be developed and implemented.

The structure of a certain part of e-learning textbooks in special subjects does not meet the requirements of professional pedagogy, the independent work of students with the textbook, the objective assessment of their knowledge and skills. Overcoming these shortcomings, one of the main ways to solve the existing problems is to organize the process of creating modern teaching and didactic tools for vocational education institutions and create a single coordinated system of management, teaching special subjects among the types of education. is to achieve the interdependence of applications.

It costs a lot of money to organize this work. In order to solve this problem, a number of exemplary works have been done to attract foreign investment in the creation of a new generation of modern textbooks. In particular, the Asian Development Bank project is working on the creation of textbooks on special subjects for vocational colleges.

#### **IV. DISCUSSION**

The modern generation of special subject textbooks is aimed at the development of positive skills, teaching students to master knowledge independently and apply it in practice, including a system of self-assessment of their knowledge. should take.

A modern textbook should have the following qualities:

- Encourage students to be active and think critically;
- not limited to theoretical information;
- assignments, projects, exercises and assignments;
- Availability of tests for self-assessment of knowledge;
- provide opportunities for independent learning;
- The learning material should be focused on specific goals and objectives.

#### **V. CONCLUSION**

The textbook, created on the basis of modern educational requirements, increases the effectiveness of teaching, ensures the systematization of students' knowledge, develops their creative abilities and strengthens their interest in the profession.

#### **VI. REFERENCES**

1. Ahmedjanov MM, Tokhtaeva Z.Sh. A set of didactic tools. Study guide. -T.:<= "" p = "">
2. Olimov Q.T. Theoretical and methodological bases of creating textbooks on special subjects. Pedagog. fan. doc. ... dis. - T.: TDPU, 2005. -274-p.
3. Muslimov N.A. Methodological principles and technologies of creating electronic textbooks. I Infocom.uz, 2004. -62-66-p.